



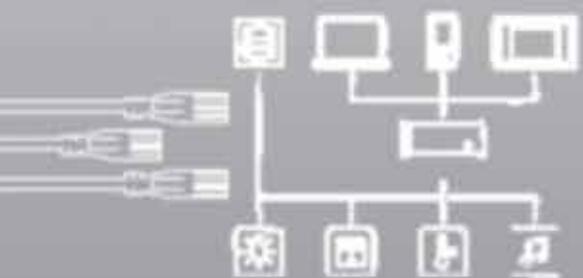
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INTERNATIONAL

2011

**PRODUCT &
SERVICES
GUIDE**



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2011 Products & Services Guide

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LONMARK Open Systems Deliver End-User Benefits

The term “open systems” means different things to different people. For many, the term implies the system is open because it has an open software interface, gateway or API. Connectivity typically occurs at the head-end or through a master controller and does not support integration of third party devices at the field communications level. It is not uncommon for vendors to use this term to further their own proprietary technology, products, systems or solutions. The facts around “open” can be easily misconstrued, misleading customers to believing that they are receiving a truly open solution that in reality is closed or proprietary.

LONMARK International (LMI) is a global membership organization created to promote and advance the business of efficient and effective integration of open, multi-vendor control systems utilizing ISO/IEC 14908-1 and related standards. Members of LONMARK International include the world’s leading manufacturers, integrators and users of control systems in a variety of industries, including building automation, automated kitchen equipment, security, indoor and outdoor lighting, elevators/lifts, mass transit, semiconductor-manufacturing equipment, home/consumer appliances, sun blinds, energy metering, construction, commercial real estate and industrial automation.

Since its inception in 1994, LONMARK International has become a major driving force in the establishment of interoperable guidelines and is committed to educating the market on the value of open, interoperable systems by providing tools, resources, and support for its members and their markets. LONMARK International members and members of the regional LONMARK® Affiliates span the globe with presence in the Americas, Asia and EMEA (Europe, Middle East and Africa).

What is a LONMARK Open System?

A LONMARK open system provides connectivity of diverse products; from multiple hardware, software and service suppliers; and unfettered access to data across the enterprise. The result is a compelling solution for specifiers and end-users that benefit from open protocols, open systems, open distribution, open bidding and open procurement.

The use of LONMARK open systems has been proven to provide cost effective and competitive solutions. Better energy efficiency and improved operational costs start with better visibility and control of the myriad of systems within a facility. They must communicate together in a way that enables greater functionality and lower costs.

LONMARK Open Systems are typically thought of in terms of building automation and control. While this may be a large and growing application base, LONMARK Open Systems are commonly used in energy efficiency, street lighting, automated food systems, transportation systems, industrial automation, smart grid infrastructure and smart homes.

Key benefits of a LONMARK Open System include:

- Unbundling hardware from software from service

- Providing a platform where the end user “owns” their system
- Lower operating costs
- Encourage fair competitive bidding
- Enable an integrated system
- Support a common graphical user interface (GUI)
- Open IT/control architecture integration
- Reduce maintenance costs
- Enabling open distribution
- Enabling Smart Grid applications

Fort Bragg Lowers Operating Costs

Energy efficiency, energy conservation and energy reduction are key drivers throughout industry today. Energy costs continue to rise, forcing users to find new methods to reduce energy.

According to the U.S. Department of Energy, buildings represent 70 percent of U.S. energy consumption. Energy consumption represents 30 percent of a typical commercial office building’s operating costs. A 30 percent reduction in energy use can yield the equivalent of a 5 percent increase in Net Operating Income.

There are many approaches to gaining a better energy footprint for a building but common to many of them is understanding how to control the building’s energy usage. You can’t control what you can’t see. In order for a facility manager to gain better energy efficiency, he needs to be able to see into the control system and make effective changes. Implementing a smart control system is fundamental to achieving energy reductions.

Fort Bragg is an expansive U.S. Army installation with 2502 buildings covering 25.2 million square feet. Fort Bragg created an open, flat-architecture, multi-vendor building automation system (BAS) based on the LONWORKS® technology. The goal was to provide a supervisory monitoring and control front-end in accordance with open-systems guidance developed by LONMARK member U.S. Army Corps of Engineers.

Their current multi-vendor system has 90 buildings and over 2.1 Msf integrated with contracts awarded to include 278 buildings representing 8.8 Msf. Fort Bragg expects the system will reduce electrical/gas energy consumption by 120,650 MBTU/yr with a corresponding annual energy cost reduction of \$ 1.8 million and reduced carbon dioxide (CO₂) emissions in excess of 30 million tons per year.

“This system is a great tool. It allows us to track resources, helps with operations and maintenance, and in general allows us to be much more proactive where we had been being reactive,” said Jennifer McKenzie, Fort Bragg energy manager.

Fort Bragg is supported by the U.S. Army Corps of Engineers, a LONMARK Board of Directors Member, providing extensive end-user support for the enhancement of open specifications using LONMARK Certified Products. Fort Bragg won the LONMARK Multi-Vendor Project of the Year in the category of Large Campus Integration System for 2010.

McDonald’s Benefits from Integrated Systems

As more products from more vendors are combined into one common system architecture costs are reduced and interoperability is increased. New technologies for open communication systems have enabled all of the controls to be more interoperable.

McDonald’s, a LONMARK Sponsor Member, is now deploying smart networked kitchen equipment based upon LONMARK Open Systems to reduce energy and gain operational efficiency. Equipment such as fryers, ovens, refrigerators, and more are integrated together so that storeowners and managers can interact and control their facilities more efficiently.

Web-based dashboards interface to the LONMARK system and show energy consumption, operational traffic flow, product production statistics and more using a common networking control environment. Future integration plans include incorporating the facility’s building control system, including HVAC, indoor lighting, outdoor parking lot lighting/façade lighting and alarming/enunciation systems, into a common control environment. Energy savings are expected to reach 30 percent or more annually per store. Operational savings will yield even greater returns.

“As a distributor of LONMARK devices, we saw a great opportunity to utilize our expertise to help McDonald’s develop a more open way of specifying, integrating, and operating their restaurants. We partnered with several key companies to combine our knowledge and helped McDonald’s with solutions that enabled them roll out the first 5,000 devices of smart networked kitchen equipment,” said Tracy Markie, president of Engenuity Systems and a member of the EKG Group.

Engenuity and EKG won the LONMARK Initiative of the Year Award in 2010 for their work with McDonald’s on the Smart Networked Kitchen initiative.

Columbus Regional Hospital Relies on a Common Graphical User Interface

A building control system can incorporate multiple subsystems and components where all of the information can be monitored and visualized from a common front end. This architecture enables a single-seat view into all of the buildings operations and simplifies the operation and maintenance.

Columbus Regional Hospital (CRH) is a 225-bed facility providing emergency and surgical services, a primary stroke center, chest pain center, lung institute, heart center, cancer center, and many other specialty areas. Columbus Regional Hospital consists of the nine-story main hospital, single story energy center two-story tech center and two-story Lincoln Park building.

It was a primary goal of CRH to implement a migration plan that encompassed connectivity to legacy/proprietary systems as well as laying the foundation for an open and interoperable system. Tired of being locked into specific vendors or manufacturers for the service and expansion of proprietary systems, CRH investigated the various open protocol standards. They focused on an integrated approach utilizing a common graphical user interface, implemented by LONMARK member Davis Industries, to help reduce operating costs and training costs by supporting a platform with a common look and feel.

“Our evolution from managing the hospital campus with multiple closed, proprietary systems to a single, open protocol system with data exchange from diverse equipment types and manufacturers has been exciting! We have gained efficiencies in the management of the system from the front-end web-based application. The ease of navigation through the graphical user interface has simplified training and fostered a better continuum of utilization across our technicians. It has enabled quick deployment and provided all of our facility management staff access to the system from any workstation on the hospital network, our homes or while traveling,” said Veronica Kagley, technology coordinator with Columbus Regional Hospital.

The CRH project won the LONMARK Multi-Vendor Project of the Year for 2010.

New York City Schools Encourage Fair Competitive Bidding

Open bidding, also referred to as open procurement, refers to the contracting process of implementing an open control solution. An open bid specification defines the functional requirements for each element of a system, not the features of the products. Contracting officers then put the specification out for bid. If the specification is developed with an open system definition, multiple bidders can bid on the project on a fair competitive basis. No one bidder has a better chance of winning based upon what the specification contains.

An open specification leading to open bidding requires more upfront work by the system specifier. More thought and design work must be performed at the beginning of the project to ensure the project scope, architecture, and functionality are completely and fairly defined. The extra work is significantly offset by the competitive bid cost reduction in a true “apples-to-apples” bidding process.

The New York City School Construction Authority (SCA) manages over 1,400 top quality schools for all of New York’s 1.1 million children. The 1,200 existing schools are being renovated and new schools are being constructed. The preliminary capital-spending plan for new construction exceeds four billion dollars. Reducing the cost of design and construction through the use of standard materials and methods and current technology are basic objectives of the program.

Using a building automation system based on open standards has helped to reduce the costs of the new constructions. Specifying a LONMARK Open System ensured the school district a durable competitive environment both during the project and beyond. When properly specified, implemented and documented, competitive bidding for system additions, alterations and service can be achieved, greatly enhanced the return on investment made on the system. Project life cycle cost savings is anticipated due to competitive bidding for system additions, and service on schools.

The SCA embarked on this project with the intent on reducing both initial costs and long-term system life cycle costs. The chief complaint was their locked-in service contract costs for their proprietary systems. By turning to LONMARK and developing one of the first large systems, two-tier, open specifications, they set

ABOUT LONMARK

the bar for “open” worldwide. Today, close to 100 building have been installed by a variety of LONMARK member system integration companies. The project employs a Master System Integrator for the oversight and integration of each building into the campus. LONMARK member Control Technologies has won the MSI contract and continues to deliver the open solutions needed. The SCA requires each company to employ LONMARK Certified Professionals and use LONMARK Certified Devices.

In 2007 the SCA was a nominee for the LONMARK Multi-Vendor Project of the Year.

TK Maxx Reduces Maintenance Costs

Controlling maintenance costs is a challenge for most organizations. The international off-price company TK Maxx (TJ Maxx in the Americas), part of the TJX Companies, Inc. Group, is the one of the largest off-price retail companies worldwide. The company has more than 2,000 stores in the U.S. and Canada, more than 200 stores in the UK and Ireland, and 50 stores throughout Germany.

LONMARK Member HGI Heger

Gebäudeautomation Ingenieurgesellschaft GmbH

Hörstel implemented an IP-based network to connect control systems within multiple stores to a central computer for monitoring and control. An optimally adapted to customer needs messaging software analyzes and identifies problems and routes them automatically to service staff and external facility managers, allowing immediate corrective action to be taken without disrupting customers or store personnel.

HGI won the LONMARK Multi-Vendor Project of the Year in 2010 in the category of Small, Repeatable Solutions.

Open Distribution

The term “open distribution” refers to open availability of products and solutions in the open market. If a product is designed to meet the standards of an open protocol but is only available from a sole sourced supplier or only available under closed contract, the resulting system is a closed system. If a product is not directly replaceable by another product from a competitive company, the system and subsequently the customer becomes locked-in to that sole sourced supplier.

Multiple distributors worldwide offer LONMARK certified products in the open market, offering multiple sources of similar products to the marketplace. This is a key differentiator of LONMARK Open Systems where it is possible to purchase spare parts and get customer support for those products. This multi-sourced supply for replacement parts and service lowers the cost of system components, while yielding lower costs for the ongoing maintenance as well as system expansion and customization.

Enabling Smart Grid Applications

The Smart Grid is a complex combination of energy generation, distribution, transmission and consumption mapped with the bi-directional flow of energy data. The LONMARK Open

System model is based on the ISO/IEC 14908-x and ANSI 709.x group of standards, which is included in the National Institute of Standards and Technology (NIST) list of Smart Grid standards. LONMARK technical committees are developing important extensions to these standards by developing an expanded set of profiles to enable important energy programs for demand response, distributed energy resources, metering and sub-metering and dynamic pricing.

LONMARK International Certifies Products, People and Companies

Creating a foolproof LONMARK Open System requires a foundation of certified products conforming to the LONMARK Interoperability Guidelines. This model requires devices from different vendors to be tested and certified to interoperate according to the guidelines. Additionally, LONMARK provides specification examples and design guidelines which layout the foundation for a complete open system. As a not for profit organization LONMARK embraces the tenet of complete open, integrated solutions, which provide energy efficiency through intelligent control.

LONMARK provides training, testing and certification for system integrators working on LONMARK Open Systems. This program has certified over 400 individuals since its inception in 2007. This important program creates a pool of talented and experienced professionals with the necessary knowledge to deliver integrated solutions. LONMARK also offers certifications to companies providing system integration services.

To satisfy the needs of the end-user community, LONMARK International developed the LONMARK Certified System Integrator (CSI) program to provide a core competency for companies wishing to bid on open projects. A LONMARK CSI has demonstrated their commitment to providing open solutions, developing in-house expertise, and providing a proven track record of successful projects. Specifications requiring competent system integrators simply require bidders to hold a current CSI certificate. The CSI program is open to any integration company and provides a peer-review proficiency standard worldwide.

Conclusion

LONMARK International and its members worldwide remain committed to the delivery of open systems in a wide range of application environments. Over 100 Million LONWORKS devices have been installed in well over 300,000 systems worldwide, providing a technically proven and reliable track record. With over 500 LONMARK Certified products available, solutions exist for most any control networking application.

It is our belief that we can expand markets and industries by empowering manufacturers, integrators, specifiers and end-users to adopt open systems models. There are countless references where LONMARK Open Systems delivered unparalleled value for the owners and operators of systems around the globe.

For more information, please contact us at
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ENERGY MANAGEMENT

WATTNODE® ENERGY AND POWER METERS FOR LONWORKS NETWORKS

True RMS Power Metering, LONWORKS Network (SNVT),
Logger Option, kW, kWh, Volts, Amps, Demand, Power
Factor, 120-600 VAC, 50/60 Hz, 1,2,3 Phase
Measurements, 2,3,4 Wire Configurations

The Wattnode® Plus for LONWORKS is a multi-function, networked AC energy meter with optional internal logging. It provides real-time monitoring of electric power (kW) and metering of electric energy (kWh). It can be used as part of a LONWORKS network (FT-10) or as a stand-alone meter and monitor with or without logging. It is designed for use in energy management and monitoring systems and tenant submetering. It can be used in single or three phase applications. Models are mains-powered and cover the operating voltage range of 110 to 600 VAC for 3-wire and 4-wire circuits. The measurements are output as 30+ network variables: energy, net energy, power (bi-directional), demand, voltage, current, power factor and frequency.



The Wattnode Logger can log 24,000+ measurement records in non-volatile memory at selectable intervals of 1 minute to 12 hours. At a 15-minute interval, it can log for 250 days. An LNS plug-in is available to download the data to a PC file in CSV format.

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L-INX AUTOMATION SERVER

L-INX Automation Servers are automation stations with expansion options to couple L-IOB I/O modules. The powerful Automation Servers provide connectivity features to integrate into LONMARK Systems. For CEA 709 systems the L-INX Automation Server either has a built-in Remote Network Interface or an integrated IP-852 Router with comprehensive L-IP functionality.

The combination of free programmability (IEC 61131-3), an integrated OPC server, customized visualization with LWEB-800 (Graphical User Interface), gateway functions to BACnet, Modbus, and M-Bus, alarming, scheduling, trending and e-mail notification opens multiple uses for building automation in distributed property and buildings of any size. The application range extends from the control, regulation and supervision of building services to energy management.

Features:

- IEC 61131-3 programmable with L-LOGICAD
- Inputs and outputs via stackable L-IOB I/O Modules
- 128x64 display with jog dial for manual operation
- Alarming, Scheduling, and Trending (AST™)
- Event-driven e-mail notification



- Up to 1000 dynamically created network variables or static network variables
- Up to 512 address table entries (legacy mode: 15)
- Built-in graphical user interface
- Built-in OPC XML-DA Server
- Compliant with CEA-709, CEA-852, EN 14908 standard (LONMARK Systems)
- Supports TP/FT-10 and IP-852 (Ethernet/IP)
- Integrated Remote Network Interface or IP-852 Router
- M-Bus Master according to EN 13757-3
- Modbus TCP and Modbus RTU (Master or Slave)
- B-BC BACnet Building Controller ((LINUX-150/151 only))
- Web server for the device configuration and for data point monitoring

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Award winning

RBW room control modules

- Easy to operate and energy-efficient room automation
- **Integrated scheduling**
- Elegant, functional design
- Simple, intuitive operation



Product of the Year
2010

LONMARK International
Certified Device

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Technology for Building Automation

L-VIS TOUCH PANELS

L-VIS Touch Panels are ideally suited for visualization and operation of various applications in building automation. L-VIS Touch Panels can be used as room units, or make a good choice in conference rooms and reception areas. L-VIS impresses with its timeless design, harmonic integration into modern and historical architecture as well as it's extremely user friendly concept. The shallow installation depth and low thermal power loss allow mounting in almost any location. All L-VIS-Touch Panel come with an integrated Remote



Network Interface (RNI). A built-in VNC Server (Virtual Network Computing) provides remote access via an IP connection. A Room Edition of the L-VIS Touch Panel comes with predefined graphic pages for room automation.

Features:

- High resolution TFT touch display with dimmable backlight (5.7", 12.1" or 15")
- Room Edition with predefined graphic pages
- Anodized aluminium front frame
- External temperature sensor L-TEMP1 (optional) and input for external light switch
- Compliant with CEA-709, CEA-852, EN 14908 standard (LONMARK Systems)
- Supports TP/FT-10 or IP-852 (Ethernet/IP)
- Alarming, Scheduling, and Trending (AST™)
- Up to 1000 dynamically created network variables or static network variables

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RCC200-L ROOM CONTROLLER

RCC200-L (Room Controller Ceiling) – LONMARK profile 8500 “Space Comfort Controller” – is a room controller integrated in an IP30 distributor housing with pluggable terminals and cable strain relief. The RCC200-L is optimized for installation as a complete module in suspended ceilings and raised floors. Since costs for additional distributors are eliminated and the installation is simplified, the RCC200-L saves time and money during installation.



humidity and high or low pressure.

The RCC200-L regulates VAV, cooling and heating registers, electric heating, radiators, cooling ceilings, and it monitors window contacts, temperature sensors, CO₂, dew point, humidity and condensate pumps. It also has useful energy-saving features, such as night cooling, energy selection and setpoint reduction by means of an integrated scheduling program.

Basic functions can be expanded through modular functions.

The RCC200-L software offers all functions for monitoring and controlling room temperature, air quality,

With a switching power supply that uses 80 percent of the energy input, its energy requirement is extremely small.

The efficiency package of the RCC200-L and MD15 small actuator is much more efficient than a two-point thermal drive, for example.

The RCC200-L is part of the technolon® automation system.

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Technology for Building Automation

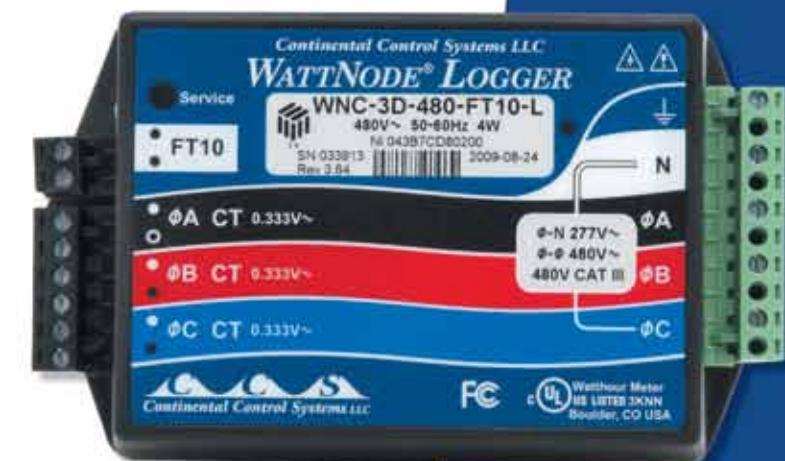
WATTNODE®

Energy and Power Meters
for LonWorks® Networks

WATTNODE® PLUS is a multi-function, networked AC energy meter with optional internal logging. It provides real-time monitoring of electric power (kW) and metering of electric energy (kWh). It can be used as part of a LonWorks network FT-10 or as a stand-alone meter and monitor with or without logging. Measurements are transmitted over the network as Standard Network Variable Types (SNVTs). Typical applications include energy management, power monitoring systems and tenant submetering.



WATTNODE® LOGGER can log 24,000+ measurement records in nonvolatile memory at selectable intervals of 1 minute to 12 hours. At a 15-minute interval, it can log for 250 days.



Wattnode® Plus and Logger measurements are output as 30+ network variables: energy, net energy, power (bi-directional), demand, voltage, current, power factor and frequency.

An LNS plug-in is available to download the data to a PC file in CSV format.

Features and Specifications

- True RMS Power Metering
- LonWorks® Protocol
- Logger Option
- kW, kWh, Volts, Amps, Demand, Power Factor
- Line Powered
- 120-600 VAC • 50/60Hz
- 1, 2, 3 Phase Measurements
- 2, 3, 4 Wire Configurations

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Select the current range of operation from our line of safe, low voltage output, current transformers. Split-core or Solid-core CTs measure currents up to 6,000 Amps.



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RBW3-L Room Control Module

RBW3-L is a room control module for single room controllers. Different variants with a graded range of functions are available: display and set room temperature, display time and date, fan control, presence button (present/absent). RBW3-L is the first LON® control unit to offer an integrated weekly scheduling program.

The back-lit LCD display with integrated AAL concept (Ambient Assisted Living) shows setpoint, setpoint correction, weekly/utilization scheduling program, time, date, occupancy status, fan status, heating/cooling status and window contacts.



Models with two, four or eight additional keys are also available, which can each be individually assigned to different functions (e.g. lighting or blind control).

RBW3-L can be used as a room control module on a network. A plug-in based on LNS3 is used for configuration.

RBW3-L has a modern, stylish and flat profile shape (16 mm). The self-explanatory operating philosophy, developed in a usability lab test, ensures easy and intuitive operation.

RBW3-L received the “LONMARK International Certified Device of the Year Award 2010”.

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Technology for Building Automation

DDC CONTROLLERS

The iCON Series of DDC Controllers are UL,CE, LonMARK certified LONWORKS devices for general-purpose Building Management/Automation Applications.

It can be linked up to 62 other DDC controllers in a single communication bus utilizing the power of FT-10 network transceivers. It is available in different models to suit the building application requirements, we have 8, 16, 34 and 46 physical I/O points in a single DDC board and all of them are stand-alone with built in real time clock, weekly and calendar schedules. They are fully programmable using functional block programming with powerful debug function and application libraries for your immediate selection to your specific project needs. The programming tools also has mathematical



gates for arithmetic operations, Comparison channels for the manipulation of Analog Output based on the range of Universal Inputs values, Runtime Totalization gates, Enthalpy Loops, PID Loops, etc.

It can be used to control lightings, air-con, fans, pumps, electrical equipment etc. Fully factory tested – fully screened and functionally validated at the factory. All features are tested including software logics, I/O hardware and communication network.

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QUANTUM AUTOMATION



CIRCON

Efficient Building Automation Corporation (EBAC) provides products, systems, services and support that enable our partners to deliver open and integrated LonWorks® building automation solutions of unequalled quality, reliability and performance.

EBAC is the developer, manufacturer and support provider of the Circon® suite of building automation hardware and software products. We are dedicated to continual improvements within the existing product offering, as well as ongoing development initiatives focused on new and innovative products and services.

Our commitment is to provide:

- True Open Systems, utilizing LonWorks
- Easy to use, feature-rich product solutions
- Cost-effective products and services
- Progressive and mutually beneficial relationships with our partners
- Unparalleled customer service and support



A complete list of the Circon LonMark Certified product is included in the catalog section of this guide.

If you would like further information on EBAC and our products and services, please refer to the contact information below.

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NETEnergy Branch solution is designed to optimize energy management of a single owner or multi-owned business premises. It is a multi language tool and it is really simple to install.

These are the most important benefits that NETEnergy Branch Unitronics offers to energy managers, installers and property:

- Reducing consumption by up to 35 percent
- Simplifying lighting and air conditioning management by optimizing their functioning and eliminating excess use.
- Reducing the maintenance costs.
- It is a system that provides a real solution, and short-term, the existing needs to reduce CO₂ emissions.
- It adapts to the needs of professionals of various business sectors: energy efficiency without compromising comfort.
- Cutting unnecessary costs and obtaining a higher profitability.
- Increasing the value of the company's brand or businesses social commitment.

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GATEWAYS

QUICKSERVER LONWORKS GATEWAY

The new QuickServer meets the customer's need for a cost-effective gateway, driven by the proven FieldServer protocol conversion engine and backed by the FieldServer technical support team. All of this in a LONWORKS gateway priced under \$800.

FieldServer has been the leader in LONWORKS gateways for over 10 years with more experience in protocol conversion in the building automation industry than any other manufacturer. QuickServer comes complete with two drivers, selected from LonWORKS, BACnet/IP, BACnet MS/TP, Modbus RTU, Modbus TCP, JCI



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Phone: 408-262-2299
Email: Sales@FieldServer.com
www.fieldserver.com/QuickServer



LON

Room operation



K.1 plastic polar white
K.5 stainless steel



TS 2, frame E2 aluminium
F100 pure white glossy



GIRA



LS990 aluminium
RCD2022 stainless steel



JUNG

LON room operation devices in the design series of the companies Berker, Gira and Jung

Due to our close cooperation with the manufacturers of installation components and systems Berker, Gira and Jung we are in a position to offer you both: LON components for modern building automation and room operation devices in excellent designs of the three companies.



LON bus lead
Connection to further LON operation components, actuators and sensors



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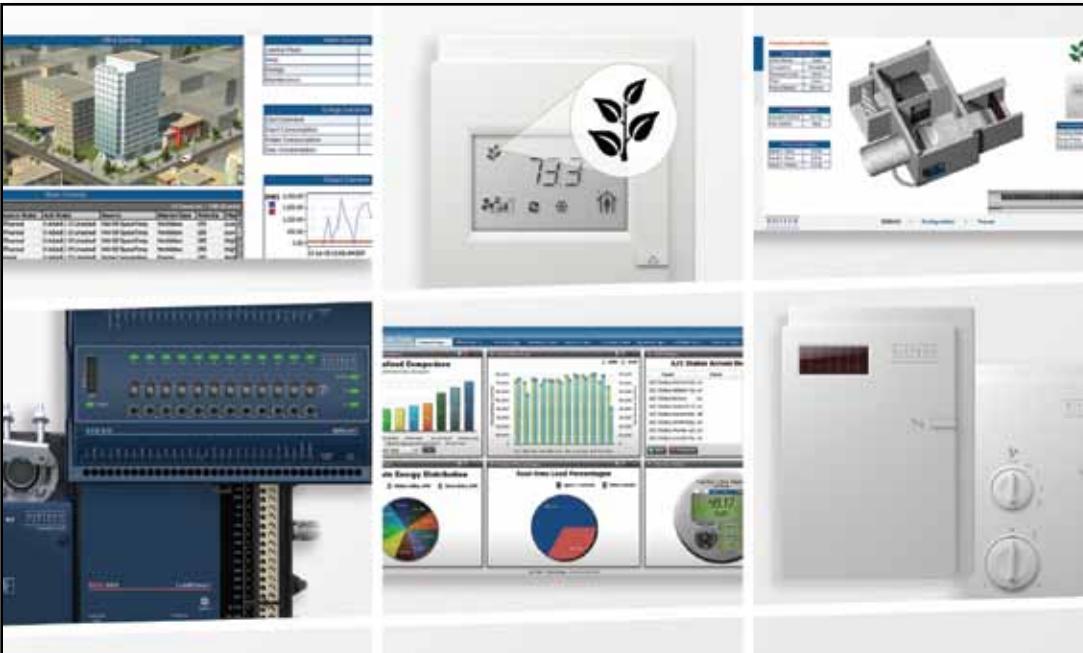
A global leader in building and energy management solutions, Distech Controls designs and manufactures systems and products based on open and interoperable communication protocols.

Distech Controls offers leading-edge technology for energy efficiency and comfort, and provides innovative solutions that lower installation and maintenance costs. Established in Canada in 1995, the company has business divisions and service offices across North America as well as in Europe, Asia, India and the Middle-East.

Distech Controls' building management systems provide a complete solution for commercial, institutional, and government portfolios, integrating HVAC, lighting, and energy management solutions.

Designed to meet the highest standards of green stewardship and durable performance, our open solutions provide not only a competitive advantage today, but sustainability tomorrow and beyond.

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- Enhance your system's flexibility with a Web-based multi-function platform that protects your investment by facilitating changes to address varying needs or conditions, or keeping pace with advances in technology
- Select from an extensive range of controllers capable of providing the most cost-effective solution for any application
- Implement a common hardware and software platform for LONWORKS and other standards, ensuring the right solution to your application needs, while enhancing serviceability
- Reduce costs with a powerful common productivity enhancing toolset for LONWORKS and other protocols, while helping to maintain programming standards and facilitating troubleshooting
- Choose unprecedented agility and adaptability with our market-leading technology, led by our Open-to-Wireless®, wireless, battery-less solutions
- Empower yourself with unique features such as ECO-Vue, and engage occupants and facility managers to achieve optimum energy efficiency
- Protect your investment with a partner dedicated to open standards, providing interchangeable components and availability of hardware and software compatible with the original system
- Opt for dependable long-term performance and serviceability, with products and services designed and marketed with a commitment to quality, reliability, and customer satisfaction

Learn more about Distech Controls' extensive line of over 80 LONMARK Certified controllers to cost-effectively address all your application requirements.

Meet the New Standard in Sustainable Buildings

Distech Controls provides a comprehensive **building and energy management solution** that helps businesses reduce energy and maintenance costs, while optimizing occupant comfort.

EC-Net^{AX}'s **multi-protocol, multi-function capabilities** provide seamless and intelligent integration of HVAC, lighting, access control, CCTV, energy management, and other building systems.

A true green building solution, our **Open-to-Wireless®** offering provides many benefits for building management, from flexibility and adaptability, to cost and time reduction at installation.

Learn more about Distech Controls' extensive line of over 80 **LONMARK® Certified controllers** to cost-effectively address all your application requirements.

www.distech-controls.com
1.800.404.0043 • 1.450.444.9898
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**DISTECH
CONTROLS™**

Innovative Solutions for **Greener** Buildings

FS-B3511 SERIES LONWORKS GATEWAY

FieldServer has been the leader in LONWORKS gateways for over 10 years. With the largest protocol driver library in the industry, FieldServer provides the solution you need to interface a wide variety of devices to LONWORKS. The FS-B3511 series incorporates two Ethernet, four Serial and a LONWORKS port making it easy to interface several devices and networks together into your LONWORKS network.

FieldServer's FS-B3511 Series Gateway is LONMARK Certified and provides LONWORKS interface with BACnet, Metasys N2, Modbus, SNMP, fire alarm panels, industrial controls and much more.



Each FieldServer has the proven, trusted support from the FieldServer support team, a team with many years of experience in protocol integration. The new upgraded FS-B3511 provides faster processing and enhanced communications.

FieldServer Technologies

1991 Tarob Court
Milpitas, CA 95035
Phone: 408-262-2299
Email: Sales@FieldServer.com
www.fieldserver.com/products/gateways/LONWORKS_Multiport.php

**IPLONGATE OPC® SERVER AND WEB SERVER FOR LNS® 3.x**

IPLONGATE is a software gateway for LON networks. It serves as a high-performance connection of visualization systems to a LON network based on LNS. IPLONGATE primarily fulfills the requirements of major building automation systems with complex network architecture and provides OPC as a standardized interface for this.



- Executable on one or several remote PCs via TCP/IP
- OPC server (DA 1.0, 2.05A and 3.0)
- Web server
- LNS client (Local, Fullweight or Lightweight)
- Fast start behavior
- Online configuration and monitoring
- Access to network variables, structured elements and

configuration properties

- Supports multiple MonitorSets and MonitorPoints
- Up to 3.000 LON devices per IPLONGATE instance (observation)
- Up to 20 LNS project databases on a single PC
- Supports LNS version 3.0 or higher

Thanks to the possibility of also using IPLONGATE as an LNS remote client there are a great many different use scenarios. A trial version is available for download at www.mentzel-gmbh.com. The functionality of the trial version is the same as IPLONGATE Premium and there is no limitation of the number of network variables or configuration properties.

www.mentzel-gmbh.com

**CAI PART# W161P-2130SG- 16/2 PLENUM LEVEL 4 ECHELON CABLE**

For many years, Echelon Level 4 Rated cables have been available only in 22 gauge construction. While the 22 gauge cable met the electrical requirements specified by Echelon, it proved to be, in some applications, not sturdy enough to withstand the conditions in some industrial and commercial projects.

Connect-Air is now offering the only 16 gauge Echelon approved Level 4 Rated cable. With its increased size and more durable construction, it will be a great alternative when a more rugged cable is required.



Due to applications unique to the Lighting Controls Industry, a combination cable is now available for LONWORKS compatible manufacturers that contain both a 22 and 16 gauge 1pr cable under the same jacket.

Also available are outdoor and direct burial 1 and 2 pr LONWORKS approved cables.

Connect-Air International

Corporate Headquarters
4204 B Street NW • Auburn, WA 98001
800-247-1978
sales@connect-air.com

**1. Competence in Technology**

Well-proven in building automation, transportation, utilities, medical supply systems, POS systems and industrial applications.

L-SWITCH^{XP} CEA-709 ROUTER

The L-Switch^{XP} is the solution for interconnecting multiple 2-wire channels (TP/FT-10 or TP/XF-1250 channels) in LONMARK Systems. It provides up to five ports and routes packets between these ports. The L-Switch^{XP} router delivers first class performance and flexibility in use. In order to provide the optimal router configuration, the L-Switch^{XP} comes with 2 to 5 ports as well as the two operating modes "Smart Switch Mode" and "Configured Router Mode".

**Features:**

- For physical separation and logical connection of up to five CEA-709 network segments
- Compliant with CEA-709 and EN 14908 standard (LONMARK Systems)
- Can be used as configured router

- Can be used as learning switch or repeater*
 - Plug & Play installation*
 - Forwards packets of up to 256 bytes length
 - Supports up to four domains*
 - Forwarding decision based on subnet/node and group addresses *
 - Short propagation delay between ports
 - Diagnostic LEDs for each channel
 - CEA-709 status and activity LED
 - Shapes for LONMAKER® Network Management Tool available
- *Smart Switch Mode only

www.loytec.com
info@loytec.com

**One modular system for maximum flexibility**

The modular LON system of ELKA meets all requirements for easy integration in

- architecture
- planning and
- project.

Easy projecting

Configuration and parameterization of the installation is effected via LON Pluin. A pre-defined application can be selected from a library. By combining single function blocks project-specific applications are also possible.



www.elka.de



ELKA LON controllers are real all-rounders when it comes to mastering critical situations in a project.

**Intelligent Sensors reduce energy costs and protect systems and buildings against damage.**

All sensors, actuators and operating devices of ELKA can be linked flexibly. The modular system makes a great variety of combinations and functions possible.

Each sensor can be integrated into room automation.

Physical parameters of the sensors

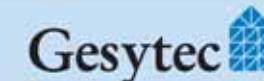
Wind speed, brightness, twilight, precipitation, date/time, relative humidity, temperature, CO₂, air quality and dew point.



RLQ Sensor
CO₂, relative humidity, dew point, temperature

The two faces of Easylon ...**2. People behind the Technology**

Service means more than „Welcome to our hotline“. At Gesytec you'll talk to a person not to a machine.



L-IP CEA-709/IP-852 ROUTER

The L-IP Router connects 2-wire channels (TP/FT-10 or TP/XF-1250) with the Ethernet/IP channel (IP-852) in LONMARK Systems. In order to provide optimal router configurations, the L-IP is available in 4 different versions providing either 4 x TP/FT-10, 2 x TP/FT-10, 1 x TP/FT10, or 1 x TP/XF-1250. Every L-IP supports the operating modes "Smart Switch Mode" and "Configured Router Mode".

The integrated CEA-852 Configuration Server can manage up to 100 IP-852 devices.

The L-IP Router Redundant connects 2-wire channels (TP/FT-10 or TP/XF-1250) with the Ethernet/IP channel (IP-852) in LONMARK Systems and allows building a redundant network infrastructure.

Features:

- Routes packets between TP/FT-10 or TP/XF-1250 channels and Ethernet/IP (IP-852)
- Compliant with CEA-709, CEA-852, EN 14908 standard (LONMARK Systems)

- Supports Configured Router Mode
- Supports Smart Switch Mode and Repeater Mode
- Built-in CEA-852 configuration server (CS)
- Support for operation behind NAT-Routers and firewalls
- Remote LPA support with LPA-IP
- Integrated Web server for the device and IP-852 configuration
- Built-in enhanced communication test for IP-852
- Detection of broken cable (TP/FT-10 channel)*
- Full redundancy with two L-IP Redundant devices in Twin Mode*
- Nodes on the TP/FT-10 channel can be monitored*
- *L-IP Redundant only

www.loytec.com
info@loytec.com



NIC NETWORK INTERFACE CEA-709 / CEA-852

LOYTEC NICs are the most universal network interfaces for CEA-709 and IP-852 (Ethernet/IP) channels. Based on LOYTEC Core Technologies, they offer high packet update rates and short response times. All NICs are fully compatible with products like NL220, ALEX, LONMAKER, and other LNS® 3.x and LNS® TE applications. The NICs are also compatible with NodeUtil32, NLUtil, OPC servers, and high performance ORION applications. The multiplexed network interface (MNI) support allows starting multiple LNS® or MIP applications to run in parallel with an LPA on a single network interface.

Features:

- Network Interface for CEA-709 and CEA-852 (IP-852) network channels
- Available for USB, PCI bus, and Ethernet port
- Create up to 8 network nodes with a single network interface (MNI devices)
- Use the LPA, LSD Tool, your ORION applications, MIP applications, and LNS® (VNI) applications on a single network interface at the same time

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info@loytec.com



PcVue V10.0

PcVue stands out by federating all building management parameters in a single tool, including heating and air-conditioning, lighting, security, low-voltage electricity supply, fire alarms and other functions, for the service sector and industry including airports and hospitals. PcVue V10.0 innovates with its building energy optimization modules. PcVue is installed in several thousand buildings and infrastructures in over 20 countries around the world, including Airbus Industries, Paris Charles de Gaulle airport, Central China TV (Beijing), Milan hospital and many others.

An outstanding feature of PcVue V10.0 is its capacity to optimize the energy efficiency of a building to become both more economical and more ecological. The software incorporates the protocols necessary for processing information from energy-consuming subsystems: BACNet® (controller management), LONWORKS (building partitioning), DALI (lighting control according to light level). It continuously optimizes the operation, simultaneous or separately, of HVAC units, lighting systems and sunshades, plus the allocation of energy sources (solar, etc.) as required.



PcVue V10.0 also innovates with the latest upgrades of its Smart Generator tool, which handles the importing of AutoCAD® files. The supervisory mimics and associated objects can be generated automatically from AutoCAD building drawings and automatic controller information.

ARC INFORMATIQUE

ARC Informatique is a European leader in SCADA/HMI software. Our innovative solutions allow supervision and control of industrial processes, services and facilities.

Originally designed for the process and manufacturing industries, the software now also caters for infrastructures (tunnels and motorways), water (treatment stations, potable water distribution), transport (tramways, trains and airports), building management systems (BMS) and power generation & distribution.

www.pcvuesolutions.com



by ARC Informatique



INFRALIGHT200

InfraLIGHT 200 Series Modular controls provide lighting control and power distribution in a single enclosure.



Designed for use with prefabricated wiring

systems for easy connec-

tion of sensors, switches and luminaires, they are slim, environ-

mentally friendly and convenient for

both installers and end users. All versions

incorporate full emergency light test ca-

pability, managed via an LNS plug-in.

Several models are available and can be specified with alternative firmware versions providing occupancy plus constant light control, full scene control and partition management, in various combinations. Different models in the

range provide up to nine outputs for switched-circuit lighting control, with options for dimming (analogue 1 to 10 V and DSI digital) plus room comfort control functions. Configuration is via an LNS plug-in.

All versions are housed in a robust powder-coated Zintec steel enclosure suitable for mounting into ceiling or floor voids, or into a riser. An optional mounting bracket is available to speed installation.

- Provides control and power distribution for up to nine lighting circuits in up to four independent zones;
- 'Plug and Play' design simplifies installation;

INFRASENSE200

InfraSENSE 200 meets the need for a LONMARK-certified combined lux and occupancy sensor in a compact, attractively styled unit that will complement any décor. InfraSENSE 200 incorporates advanced optics and software to provide extremely sensitive detection of partial body movement (e.g. in an office or classroom setting) while rejecting false triggering due to air movement or electrical noise.



An auxiliary input allows slave PIR sensors to be 'daisy-chained' to InfraSENSE 200 using prefabricated cables, extending the occupancy detection zone or providing an additional occupancy zone. This input can connect a scene recall panel, up to four wall switches or ten slave sensors.

An infrared remote control is available which simplifies commissioning by commanding the unit to transmit a service pin message without the need to de-mount the device or climb up to the ceiling.

- Advanced LONWORKS Occupancy and Light level sensor;
- Auxiliary input for wall switches, slave presence sensors, scene recall plates;
- Up to ten slave sensors;
- Infrared remote control option for easy commissioning;
- LONMARK objects for Occupancy Sensor, Light Sensor, Switch (x2);
- Link powered;
- LONMARK 3.4 certified

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PROVIDER OF INNOVATIVE PRODUCT SOLUTIONS FOR NETWORKED BUILDING AUTOMATION SYSTEMS AND DISTRIBUTED PROPERTY MANAGEMENT



Founded in 1997, LOYTEC electronics GmbH today ranks among the leading European providers of innovative product solutions for networked building automation systems and distributed property management. LOYTEC develops, manufactures and distributes router solutions, embedded Automation Servers, DALI lighting controls, graphic user interfaces, touch panels and gateways. Strong partnerships with leading industrial companies and intensive research work in cooperation with universities result in innovative products for customers all around the world. Our integrated product solutions provide the basis for building energy-efficient automation systems.



More than ever, buildings demand highly efficient automation solutions. Most often the term "efficiency" refers to efficient energy use. What this means is that building automation ensures minimizing energy consumption while keeping or even increasing comfort at the same time in accordance with applicable standards.

But for us, the term "efficiency" means much more. LOYTEC products provide efficiency during planning and system integration by exclusively using open communication standards such as CEA-709 for LONMARK systems, BACnet, DALI, OPC, Modbus, M-Bus, Zigbee and KNX/EIB.

Efficiency is also important during maintenance and troubleshooting. Therefore, all LOYTEC products with an Ethernet connection provide a Web interface for device configuration. Valuable diagnostic information about the health status of the device itself and its network connections including all data points are provided. "Efficiency" is highly desirable in case of device replacement. Device configuration and firmware are stored automatically in a central database and can be downloaded into a new replacement device easily.

Highly efficient also includes the production of our devices. LOYTEC operates a modern electronic production line and all LOYTEC products are manufactured in-house at the Austrian headquarters in Vienna. This creates flexible and short lead times, which guarantees the highest possible quality. Efficiency also means developing and producing advanced, high-performance hardware platforms for our products, in order to keep the operational energy consumption of the device itself at a bare minimum.

Efficiency is also important for our LOYTEC Competence Partner program. Competence Partners promote the successful use of the entire LOYTEC product portfolio.

LOYTEC Competence Partners provide professional planning and installation of efficient automation system solutions. Competence Partners participate in regular training and seminars for innovative implementation of LOYTEC products.

To be included among those providing and designing efficient building automation solutions with other LOYTEC Competence Partners, please contact LOYTEC sales.



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INFRA DALI 2016

Advanced LONWORKS Controller for DALI Light Applications

InfraDALI 2016XP is a lighting controller for 32 DALI devices (16 groups, 16 single lamp actuator objects) with the capability to take feedback from 64 devices.

Each lamp actuator can be configured to report alarms or service messages about defective ballasts, lamps or communication errors in nvoAlarm 2 of the node object.

The Neuron® based controller supports the installation of the DALI system via LNS Plug-In, on device webpage, wireless device or preconfigured replace button. The failure status can be read in simple SNVT's.

With the NL-Facility tool, the lights can be arranged geometrically and assigned to the different light actuators. After a

power failure, lamps are set automatically to the value before the event.

A single SNVT switch enables to whole range to be dimmed down smoothly with the ability to stop dimming using the control switches. The lamp characteristics can be defined for every single lamp or for groups of lamps.

Features Include:

- 64 DALI ballasts with alarming on a lamp-by-lamp base
- 8 digital inputs for local control. Able to connect to other InfraDALI controllers.
- Supports the installation of the DALI system via LNS-Plug-In, on device webpage, wireless device or pre-configured replace button.



- Address assignment of all recognized devices (randomize).
- Assigning / change address on specific modules; provide group allocation (eight groups).
- Lamp feedback to nvoAlarm (per lamp).
- Lamp feedback to nvoBallastState (display group failures).

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info@infranet-partners.ch
www.infranet-partners.ch

**RCN200-L ROOM CONTROLLER**

With its installation-friendly housing design, the RCN200-L (Room Controller Standard Rail) – LONMARK profile 8500 “Space Comfort Controller” – is optimized for installation on standard rails in a standard installation distributor or switching cabinet shared with other devices.

The RCN200-L software offers all functions for monitoring and controlling room temperature, air quality, humidity and high or low pressure.

RCN200-L regulates VAV, cooling and heating registers, electric heating, radiators, cooling ceilings, and it monitors window contacts, temperature sensors, CO₂, dew point, humidity and condensate pumps. It also has useful energy-saving features, such as night cooling, energy selection and setpoint reduction by means of an integrated scheduling program.

Basic functions can be expanded through modular functions.

With a switching power supply that uses 80 percent of the energy input, its energy requirement is extremely small.

The “efficiency package” of the RCN200-L and MD15 small actuator is much more efficient than a two-point thermal drive, for example.



RCN200-L is part of the technolon® automation system.

RCN200-L is often used by other manufacturers as an OEM product, such as in air conditioners, for example.

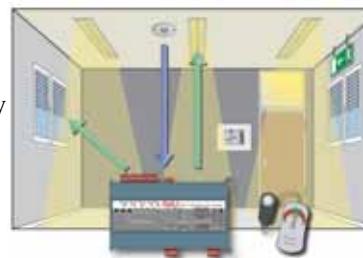
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Technology for Building Automation

L-DALI CEA 709/DALI CONTROLLER

L-DALI controllers are multifunctional devices combining constant light control, sunblind control and gateway functions between LONMARK and DALI (Digital Addressable Lighting Interface) systems.



With alarming, scheduling, trending and email notification (AST™) the L-DALI Controller is a perfect solution for DALI lighting systems and for a smooth DALI integration into LONMARK Systems.

The integrated Constant Light Controller (LONMARK Functional Profile #3050) handles DALI devices and CEA-709 nodes in the same way. Optionally, the integrated Sunblind Controller (LONMARK Functional Profile #6111) can interact with the Constant Light Controller to assure maximum comfort and energy efficiency. Standard sunblind actuators can be integrated through the CEA-709 network.

Features:

- Controller featuring 1, 2, or 4 DALI channels
- Gateway functions for DALI integration in LONMARK Systems
- Supports up to 64 DALI devices and 16 DALI groups per DALI channel
- Web server for the device configuration and for data point monitoring
- Test and assignment of the DALI devices via the Web interface
- Replacement of DALI devices without additional software tools
- Compliant with CEA-709, CEA-852, EN 14908 standard (LONMARK Systems)
- Supports TP/FT-10 or IP-852 (Ethernet/IP)
- Integrated Sunblind Control
- Supports periodic testing of emergency lights
- Supports lamp burn-in mode
- Integrated DALI Protocol Analyzer

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LonWORKS® Network Design

Learn how to design, install, and manage LonWORKS networks in this hands-on, three-day course — and get detailed instruction to help you fly through the LONMARK® Certified Professional exam.

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BUILDING AUTOMATION

OPEN SOLUTIONS FOR ROOM AND BUILDING AUTOMATION USING SAUTER EY-MODULO 4, AND IN ACCORDANCE WITH THE LONMARK STANDARD

SAUTER, one of the leading suppliers of building management systems, provides building automation solutions based on various different communication buses. The SAUTER EY-modulo 4 family of systems is based on the LONMARK standard.

SAUTER EY-modulo 4

provides energy efficiency in every single room and in the building as a whole. SAUTER EY-modulo 4 enables all energy-related factors to be influenced and the energy consumption to be visibly reduced. The SAUTER EY-modulo 4 series is distinguished by the following features:

- Easy to configure and set parameters using LNS-compatible plug-ins
- Wireless connection of room operating units, sensors and switches via the integrated EnOcean® interface
- Efficient execution of projects due to terminals and electronics units being fitted separately
- Easy to commission and service thanks to LON network access via the room operating unit
- Matched operating units and room automation controllers, which facilitates the integration of control systems for lighting, window blinds, heating and cooling



The EY-modulo 4 family of systems comprises three groups of controllers: controllers for fan-coil units, VAV controllers and automation stations. The fan-coil unit controller has a fixed basic program (ASC: application-specific controller) and supports LONMARK profiles #8020 and #8501. The VAV controller also uses basic applications (ASC) and supports LONMARK profile #8502.

There are also special versions of the fan-coil units and the VAV controllers available which make it possible to integrate devices with EnOcean® wireless technology. Therefore, all the advantages of this future-orientated technology are easily incorporated into the world of LON: maximum flexibility with minimum investment costs thanks to EnOcean technology, which requires neither wires nor batteries.

The freely-programmable automation stations can be used practically anywhere. The various types differ from each other in their I/O mix and quantities. Programming is done graphically via an LNS plug-in.

As a leading provider of solutions for building automation technology in 'green buildings', SAUTER provides pleasant conditions and a sense of well-being in sustainable environments. As a renowned specialist, SAUTER develops, produces and sells worldwide energy-efficient building management systems and offers a range of extensive services to ensure energy-optimised operation. The company ensures a high level of energy efficiency in offices, research and educational establishments, hospitals, industrial premises, laboratories, airports, leisure centres, hotels and many other sectors.

SAUTER

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www.sauter-controls.com

LON and SAUTER EY-modulo 4:
an efficient combination for
active energy savings.



Room automation using LON: energy management with SAUTER EY-modulo 4

The modular, cross-platform building management system provides energy efficiency and economical operation:

- Flexibility and cost reductions due to the (battery-free) EnOcean technology used in the wireless room operating units from SAUTER
- Exchange of information between different installations thanks to cross-system networking technology in accordance with the LonMark standard
- Easy programming, using a graphical interface, makes it simple to configure and adapt



To find out more, visit:

www.sauter-controls.com/EY-modulo

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Quark Communications Inc.	www.quarkcommunications.us	ULON	www.ulon.co.kr
Rockwell Automation	www.rockwellautomation.com	Unitronics Comunicaciones S.A.	www.unitronics.es
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Sienna Systems Corporation	www.sienna.net		

OPEN SOLUTIONS FOR VARIABLE AIR VOLUME CONTROL AND BUILDING AUTOMATION USING BRIGHTCORE VAVBCLA IN ACCORDANCE WITH THE LONMARK STANDARD

Elma Kurtalj within BrightCore Division as one of the most innovative manufacturers of building management systems specially tailored for LONWORKS, provides building automation components and solutions based on BrightCore Framework. The BrightCore Variable Air Volume BrightCore LONWORKS Appliance is based on Lon Programmable Automation Controller – LPAC 884 - Linux ARM9 platform, following the LONMARK standards.

covers Data's canters, Museums, Hotels as well office buildings and private premises.

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Elma Kurtalj Ltd

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Tel. +385 (1) 303-5555 • Fax +385 (1)
303-5599
www.brightcore.us



BrightCore VAV LONWORKS Appliance (VAVBCLA) provides energy efficiency in management of the VAV boxes equipped with a coupling module between the LONWORKS and the analogue technology. The appliance is based on LPAC 884 IP (LONWORKS programmable controller).

VAVBCLA is a controller that balances an air amount from AHUs (it processes curve that determines air flow through VAV boxes) to room. The controller enables all energy-related factors to be influenced and the energy consumption to be affordably controlled.

VAVBCLA unit controls VAV boxes in two ways:

- Manual entry of a desirable amount of air
- Automatic regulation of air flow depending on air temperature that is supplied in conditioned space (desired value of the air flow changes in relation to given curve).

Every VAV box in the system has its own curve, which determines the amount of air flow. AHU controller sends temperature information. That temperature is sent to VAV controller and based on that value VAV box regulates air flow according to the given curve.

Monitoring and Setup of VAVBCLA

Monitoring and setup of VAVBCLA is done by Web because of some disadvantages of most of BMS system software's (Mostly they do not support extended LonTalk!).

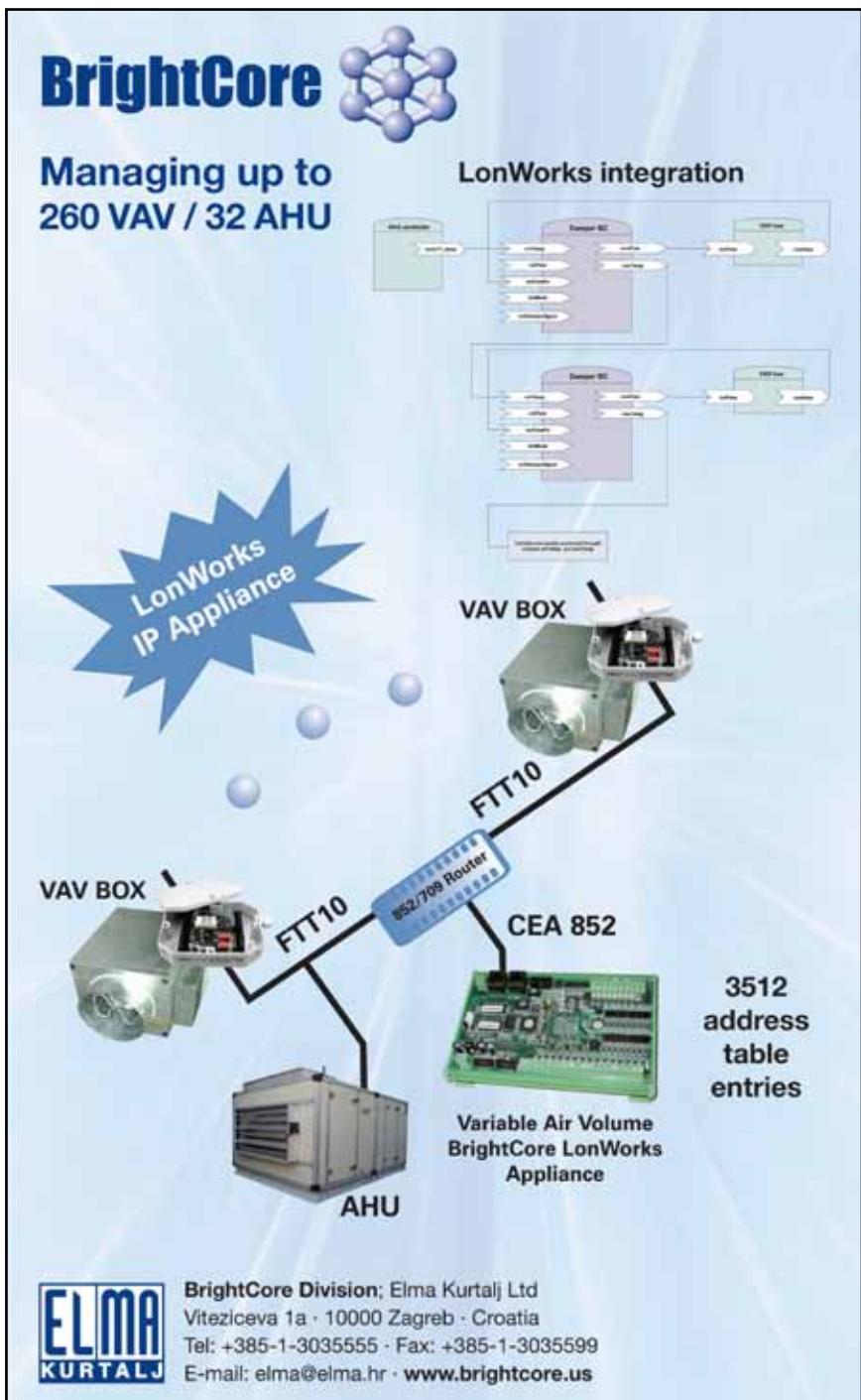
VAVBCLA controller is base at LPAC 884 IP controller with following characteristics.

Basic features:

- Linux device with ARM9 processor
- Programmable generic controller node for high performance CEA-709/CEA-852 based controller applications
- BrightCore LONWORKS protocol NStack for CEA-709 and CEA-852 channels programmable with C++ within standard IDE

As an innovative provider of solutions for building automation technology on steroids Elma through his BrightCore division provides technology compliant with the current standards and future needs. As an energy efficiency specialist Elma's BrightCore division develops, produces and sells worldwide the most innovative and open building management systems.

As experts we are providing a range of extensive services from LONWORKS network troubleshooting to the energy-optimized solution consultancy. Our experience



ACCESS/INTRUSION/MONITORING				
	Product	Company	Media	Version
Elevator Access Controller	APC300EAC - Elevator Access Controller	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.4
	→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp			
Entry/Exit	record LON 16	<i>record automatic doors (c/o agtatec AG)</i>	TP/FT-10	v3.3
	→ Werner Meyer, +41 1 954 93 18, werner.meyer@record.ch, www.agta-record.com			
Identifier Sensor	APC300 Access Point Controller	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.4
	→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp			
Modem Controller	SMC-300 Site Management Controller	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.3
	→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp			
	NCB Network Combiner	<i>CTI Products, Inc.</i>	PL-10	v3.2
	→ David Groen, +1 513-595-5808, dgroen@ctipproducts.com, www.ctipproducts.com/partners/index.html			

ENERGY MANAGEMENT				
	Product	Company	Media	Version
Three-Phase Energy Meter	WattNode Logger	<i>Continental Control Systems LLC</i>	TP/FT-10	v3.4
	→ Stephen Whitaker, +1 303-444-7422 x221, stevew@ccontrolsyst.com, www.ccontrolsyst.com			
	→ Steve Lassman, +1 303-444-7422 x24, stevel@ccontrolsyst.com, www.ccontrolsyst.com			
	WattNode Plus	<i>Continental Control Systems LLC</i>	TP/FT-10	v3.4
	→ Stephen Whitaker, +1 303-444-7422 x221, stevew@ccontrolsyst.com, www.ccontrolsyst.com			
	→ Steve Lassman, +1 303-444-7422 x24, stevel@ccontrolsyst.com, www.ccontrolsyst.com			
	WattNode Plus FT-10	<i>Continental Control Systems LLC</i>	TP/FT-10	v3.3
	→ Stephen Whitaker, +1 303-444-7422 x221, stevew@ccontrolsyst.com, www.wattnode.com			
	→ Steve Lassman, +1 303-444-7422 x24, stevel@ccontrolsyst.com, www.wattnode.com			
	WattNode Plus PLC	<i>Continental Control Systems LLC</i>	PL-20C	v3.3
	→ Stephen Whitaker, +1 303-444-7422 x221, stevew@ccontrolsyst.com, www.wattnode.com			
	→ Steve Lassman, +1 303-444-7422 x24, stevel@ccontrolsyst.com, www.wattnode.com			
	WattNode-FT10	<i>Continental Control Systems LLC</i>	TP/FT-10	v3.0
	→ Stephen Whitaker, +1 303-444-7422 x221, stevew@ccontrolsyst.com, www.ccontrolsyst.com/LonWN.htm			
	→ Steve Lassman, +1 303-444-7422 x24, stevel@ccontrolsyst.com, www.ccontrolsyst.com/LonWN.htm			
	WattNode-TP78	<i>Continental Control Systems LLC</i>	TP/XF-78	v3.0
	→ Stephen Whitaker, +1 303-444-7422 x221, stevew@ccontrolsyst.com, www.ccontrolsyst.com/LonWN.htm			
	→ Steve Lassman, +1 303-444-7422 x24, stevel@ccontrolsyst.com, www.ccontrolsyst.com/LonWN.htm			

Utility Data Logger Register				
	Product	Company	Media	Version
	CALEC® ST BDE	<i>Aquametro AG</i>	TP/FT-10	v3.4
	→ Martin Hummel, +41 61 725 11 22, martin.hummel@aquametro.com, www.aquametro.com/			
	→ Andreas Lestin, +41 61 725 15 05, andreas.lestin@aquametro.com, www.aquametro.com/			
	CALEC® ST	<i>Aquametro AG</i>	TP/FT-10	v3.3
	→ Martin Hummel, +41 61 725 11 22, martin.hummel@aquametro.com, www.aquametro.com/			
	→ Andreas Lestin, +41 61 725 15 05, andreas.lestin@aquametro.com, www.aquametro.com/			
	CALEC® ST FLOW	<i>Aquametro AG</i>	TP/FT-10	v3.3
	→ Martin Hummel, +41 61 725 11 22, martin.hummel@aquametro.com, www.aquametro.com/			
	→ Andreas Lestin, +41 61 725 15 05, andreas.lestin@aquametro.com, www.aquametro.com/			
	CALEC® ST MASS	<i>Aquametro AG</i>	TP/FT-10	v3.3
	→ Martin Hummel, +41 61 725 11 22, martin.hummel@aquametro.com, www.aquametro.com/			
	→ Andreas Lestin, +41 61 725 15 05, andreas.lestin@aquametro.com, www.aquametro.com/			
	CALEC® ST	<i>Aquametro AG</i>	TP/FT-10	v3.2
	→ Martin Hummel, +41 61 725 11 22, martin.hummel@aquametro.com, www.aquametro.com/			
	→ Andreas Lestin, +41 61 725 15 05, andreas.lestin@aquametro.com, www.aquametro.com/			

FIRE & SMOKE DEVICES				
	Product	Company	Media	Version
	Fire Smoke Damper Actuator	<i>TROX GmbH</i>	TP/FT-10	v3.4
	→ Andreas Torok, +49 3845 202 381, a.toeroek@trox.de, www.trox.de			
	LON-WA1/FT2	<i>TROX GmbH</i>	TP/FT-10	v3.4
	→ Andreas Torok, +49 3845 202 381, a.toeroek@trox.de, www.trox.de			
	LON-WA1/PL2	<i>TROX GmbH</i>	PL-20C	v3.4
	→ Andreas Torok, +49 3845 202 381, a.toeroek@trox.de, www.trox.de			
	TAC Xenta 151-D Dual Fire Smoke Damper Actuator Controller	<i>Schneider Electric</i>	TP/FT-10	v3.3
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
	WA1-PL	<i>TROX GmbH</i>	PL-20C	v3.3
	→ Andreas Torok, +49 3845 202 381, a.toeroek@trox.de, www.trox.de			
	BKN230-24LON	<i>Belimo Automation AG</i>	TP/FT-10	v3.2
	→ Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm			
	→ Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm			
	Fire & Smoke Damper Controller Q7014C (Fiss)	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,			
	LON-WA1/B Fire & Smoke Damper Actuator Control	<i>TROX GmbH</i>	TP/FT-10	v3.2
	→ Andreas Torok, +49 3845 202 381, a.toeroek@trox.de, www.trox.de			

GATEWAYS

Product	Company	Media	Version
Babel Buster 10/100	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.3

→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com

Product	Company	Media	Version
Babel Buster 232	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.3

→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com

Product	Company	Media	Version
Babel Buster 485	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.3

→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com

HVAC Gateways

Product	Company	Media	Version
Liebert SiteLink-12 LonWORKS Adapter	<i>FieldServer Technologies</i>	TP/FT-10	v3.3

→ Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com

Industrial Gateways

Product	Company	Media	Version
SlotServer LonWORKS Open Interface	<i>FieldServer Technologies</i>	TP/FT-10	v3.3

→ Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com

Product	Company	Media	Version
FS-B2011-01 Water Temp Sensor	<i>FieldServer Technologies</i>	TP/FT-10	v3.2

→ Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com/products/bridges/b2011.asp

Product	Company	Media	Version
FS-B2011 Serial/Ethernet/LonWORKS Gateway	<i>FieldServer Technologies</i>	TP/FT-10	v3.4

→ Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com

Product	Company	Media	Version
FS-B3510 Serial/Ethernet/LonWORKS Multiport Gateway	<i>FieldServer Technologies</i>	TP/FT-10	v3.4

→ Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com

Product	Company	Media	Version
FS-B4011 Serial/Ethernet/LonWORKS 10-Port Gateway	<i>FieldServer Technologies</i>	TP/FT-10	v3.4

→ Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com

GENERIC ACTUATOR

Product	Company	Media	Version
LonMARK Certified Relay Series	<i>Functional Devices, Inc.</i>	TP/FT-10	v3.4

→ Rich Bradshaw, +1 765-883-5538, x405, rich@functionaldevices.com, sales@functionaldevices.com

Product	Company	Media	Version
ECS-MD	<i>OILES ECO Corporation</i>	TP/FT-10	v3.3

→ Shouji Kubota, +81 3 5427 6644, s.kubota@oiles.co.jp, www.oiles-eco.co.jp

Product	Company	Media	Version
LonMARK Certified Relay Series	<i>Functional Devices, Inc.</i>	TP/FT-10	v3.3

→ Rich Bradshaw, +1 765-883-5538, x405, rich@functionaldevices.com, sales@functionaldevices.com

Product	Company	Media	Version
Intelligent LON Actuator ML7420G1004-C1	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2

→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com

Product	Company	Media	Version
Intelligent LON Actuator ML7420G1012-C3 with 2 DI s	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2

→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com

Product	Company	Media	Version
Intelligent LON Actuator ML7420G1020-C2 with 2 DO s	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2

→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com

Intelligent LON Actuator with PI Control M7410G (M7410G1032 / M7410G1040 /M7410G1057)	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com			

Intelligent LON Actuator M7410G-S (M7410G1008/M7410G1016/M7410G1024)	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com			

GENERIC CONTROLLER**Generic Controllers**

Product	Company	Media	Version
Guardian Infinity Space Pressurization Monitor	<i>Paragon Controls Inc.</i>	TP/FT-10	v3.4

→ Larry Winterbourne, +1 707-579-1424, lwinterbourne@paragoncontrols.com, www.paragoncontrols.com/Pressure%20Monitors.htm

SCC-300-GPC/SCC-310-GPC	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.4
→ Surge Uppal, +1 604-248-4404, ssu@circon.com , www.circon.com/profile/contact_us.asp			

GENERIC HUMAN-MACHINE INTERFACES (HMIs)**Panel Interface**

Product	Company	Media	Version
LON Scene Set Switch	<i>Delmatic Ltd.</i>	TP/FT-10	v3.3

→ Stephen Woodnutt, +44 20 8987 5907, stephen.woodnutt@delmatic.com

RF Remote Control

W7070A1000-ZAPP Receiver	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com			

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	Tracer LCI-C for CH530 RTA → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.4		AF24LON US - LonWORKS Networking-Capable Spring Return Damper Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer LCI-C for CH530 RTW/RTU → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.4		AM24LON - LonWORKS® Networking-Capable Non-Spring Return Damper Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	MicroTech II™ Chiller Unit Controller → Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com	McQuay International	TP/FT-10	v3.3		AM24LON US - LonWORKS Networking-Capable Non-Spring Return Damper Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer CH532 LCI-C Version 1.2 → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		AV... LonWORKS Networking-Capable Linear Valve Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/contact/world/index.htm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/contact/world/index.htm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer CH532 LCI-C Version 2.0 → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		GM24LON - LonWORKS Networking-Capable Non-Spring Return Damper Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer LCI-C for CGAF → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		GM24LON US - LonWORKS Networking-Capable Non-Spring Non-Spring Return Damper Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer LCI-C for CH530 CGW/CCA/CGA → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		NV... LonWORKS Networking-Capable Linear Valve Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/contact/world/index.htm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/contact/world/index.htm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer LCI-C for CH530 CVH/CVG/CDH/CVR → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		UK24LON - MP Gateway to LonWORKS(R) Networks → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	Tracer LCI-C for CH530 RTH → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		AF24LON - LonWORKS Networking-Capable Spring Return Damper Actuator → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Belimo Automation AG	TP/FT-10	v3.2
	Tracer LCI-C for CH530 RTX → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		AS104L Damper Drive (SUT) → Rolf Schulze, +41 61 695 5377, rolf.schulze@ch.sauter-bc.com, www.sauter-controls.com	Sauter	TP/FT-10	v3.3
	Tracer LCI-C for RTAA/RTWA/RTXA/RTUA → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Trane	TP/FT-10	v3.3		AS114L Damper Drive (SUT) → Rolf Schulze, +41 61 695 5377, rolf.schulze@ch.sauter-bc.com, www.sauter-controls.com	Sauter	TP/FT-10	v3.3
Damper Actuator	BELIMO LON Module for NG HVAC Damper Actuators → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.4		UK24LON - MP Gateway to LonWORKS(R) Networks → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2
	AF24LON - LonWORKS Networking-Capable Spring Return Damper Actuator → Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.ch/CH/EN/Contact/World/index.cfm → Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.ch/CH/EN/Contact/World/index.cfm	Belimo Automation AG	TP/FT-10	v3.2		AF24LON - LonWORKS Networking-Capable Spring Return Damper Actuator → Chuck Lehn, +1 651-407-4208, clehn@trane.com	Belimo Automation AG	TP/FT-10	v3.2

Discharge Air Controller	FieldServer Data Aire DAP Adapter for LonWorks → Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com	<i>FieldServer Technologies</i>	TP/FT-10	v3.3		LX and LN-FCUL Series → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
	LP-FX16Dx2-000C Facility Explorer Air Handling Unit → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3		Ecolon → Rolf Schulze, +41 61 695 5377, rolf.schulze@ch.sauter-bc.com,	<i>Sauter</i>	TP/FT-10	v3.2
	MicroTech II™ Rooftop/ Self-Contained Unit Controller DAC → Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com	<i>McQuay International</i>	TP/FT-10	v3.3		Fan Coil Unit-03 → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2
Discharge-Air Controller	MicroTech II Maverick II™ Rooftop Unit Controller (DAC) → Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com, www.mcquay.com	<i>McQuay International</i>	TP/FT-10	v3.4		Matrix iS21 Fan Coil Unit Controller → Leong Sae Chew, +65 6743 9788, lsc@matrix-controls.com, www.matrix-controls.com/contactFm.asp	<i>Matrix Controls Pte. Ltd.</i>	TP/FT-10	v3.2
	MicroTech III Applied Air Unit Controller, DAC → Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com, www.mcquay.com/McQuay/locator/SalesRepLocator	<i>McQuay International</i>	TP/FT-10	v3.4		→ Robin Long, +65 6743 9788, rlong@matrix-controls.com, www.matrix-controls.com/contactFm.asp			
	Tracer LCI-I → Chuck Lehn, +1 651-407-4208, clehn@trane.com	<i>Trane</i>	TP/FT-10	v3.4		TAC Xenta 101-VF 3-Speed Fan Coil Controller → Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings	<i>Schneider Electric</i>	TP/FT-10	v3.2
	Single Fan VAV AHU Controller → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		Excel 10 Chilled Ceiling Controller → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
	Single-Fan VAV AHU Controller → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		Excel 10 Fancoil Controller → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
	Tracer AH540/541 → Chuck Lehn, +1 651-407-4208, clehn@trane.com	<i>Trane</i>	TP/FT-10	v3.3		Excel 10 Fancoil Controller → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com	<i>Honeywell International, Inc.</i>	TP/XF-78	v3.0
	Tracer LCI-R DAC → Chuck Lehn, +1 651-407-4208, clehn@trane.com	<i>Trane</i>	TP/FT-10	v3.3		Excel 10 Hydronic Controller → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
	Tracer LCI-I → Chuck Lehn, +1 651-407-4208, clehn@trane.com	<i>Trane</i>	TP/FT-10	v3.2		Excel 10 Hydronic Controller → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
Fan Coil Unit Controller	3505L FCU Controller → Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, sales@nico-tech.com	<i>NICO Technology, Inc.</i>	TP/FT-10	v3.4		NXA-FCU-01Controller → John Gnadinger, +1 502-495-6700 ext.206, john.d.gnadinger@jci.com,	<i>Electronic Systems USA, Inc.</i>	TP/FT-10	v3.0
	ComfortPoint® Fan Coil Unit → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, buildingsolutions.honeywell.com	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.4	Heat Pump with Temperature Control	TAC Xenta 101 → Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings	<i>Schneider Electric</i>	TP/FT-10	v3.0
	I/A Series MicroNet Controller - Fan Coil → Ralph Box, +1 815-637-3946, ralph.box@tac.com, www.schneider-electric.com/buildings	<i>TAC, LLC (Formerly Invensys Building Systems Inc.)</i>	TP/FT-10	v3.4		ComfortPoint® Heat Pump → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, buildingsolutions.honeywell.com	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.4
	Infilex FC → Fumio Fujimura, +81 3 6810 1407, fujimura-fumio@jp.yamatake.com, www.yamatake.com	<i>Yamatake Corporation</i>	TP/FT-10	v3.4		I/A Series MicroNet Controller - Heat Pump → Ralph Box, +1 815-637-3946, ralph.box@tac.com, www.schneider-electric.com/buildings	<i>TAC, LLC (Formerly Invensys Building Systems Inc.)</i>	TP/FT-10	v3.4
	EC-FCU-L Fan Coil Unit Controller → Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com	<i>Distech Controls Inc.</i>	TP/FT-10	v3.3		Heat Pump Unit Controller EC-HPU-L → Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com	<i>Distech Controls Inc.</i>	TP/FT-10	v3.3
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					LX and LN-HPUL Series → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3

Plant Controller	MicroTech 2000 Water Source Heat Pump	<i>McQuay International</i>	TP/FT-10	v3.3		TAC Xenta 302	<i>Schneider Electric</i>	TP/FT-10	v3.0
	→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com					→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
	Heat Pump Unit-03	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2		TAC Xenta 401	<i>Schneider Electric</i>	TP/FT-10	v3.0
	→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp					→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
	NXA-HPU-01 Controller	<i>Electronic Systems USA, Inc.</i>	TP/FT-10	v3.0	Pump Controller	CIM/CIU 100	<i>Grundfos A/S</i>	TP/FT-10	v3.4
	→ John Gnadinger, +1 502-495-6700 ext.206, john.d.gnadinger@jci.com,					→ Henrik Frederiksen, +45 8750 4591, hfrederiksen@grundfos.com, www.grundfos.com			
	Inflex GC	<i>Yamatake Corporation</i>	TP/FT-10	v3.4		CIM/CIU 110	<i>Grundfos A/S</i>	TP/FT-10	v3.4
	→ Fumio Fujimura, +81 3 6810 1407, fujimura-fumio@jp.yamatake.com, www.yamatake.com/					→ Henrik Frederiksen, +45 8750 4591, hfrederiksen@grundfos.com, www.grundfos.com			
	Tracer MP580/581	<i>Trane</i>	TP/FT-10	v3.4		Grundfos MAGNA Series 2000 LON Module	<i>Grundfos A/S</i>	TP/FT-10	v3.4
	→ Chuck Lehn, +1 651-407-4208, clehn@trane.com					→ Henrik Frederiksen, +45 8750 4591, hfrederiksen@grundfos.com, www.grundfos.com			
HVAC Controller	UHC-300 Programmable HVAC Controller	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.3	Roof Top Unit Controller	ComfortPoint® Roof Top Unit	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.4
	→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp					→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, buildingsolutions.honeywell.com			
	DX 9121-8454	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.0		I/A Series MicroNet Controller - Rooftop	<i>TAC, LLC (Formerly Invensys Building Systems Inc.)</i>	TP/FT-10	v3.4
	→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com					→ Ralph Box, +1 815-637-3946, ralph.box@tac.com, www.schneider-electric.com/buildings			
	Excel 50	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0		I/A Series MicroNet Controller - Rooftop	<i>TAC, LLC (Formerly Invensys Building Systems Inc.)</i>	TP/FT-10	v3.4
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Ralph Box, +1 815-637-3946, ralph.box@tac.com, www.schneider-electric.com/buildings			
	Excel 50 AH02	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0		I/A Series MicroNet Controller - Rooftop	<i>TAC, LLC (Formerly Invensys Building Systems Inc.)</i>	TP/FT-10	v3.4
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Ralph Box, +1 815-637-3946, ralph.box@tac.com, www.schneider-electric.com/buildings			
	Excel 50 HT01	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0		EC-RTU-L Roof Top Unit Controller	<i>Distech Controls Inc.</i>	TP/FT-10	v3.3
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
Controller	Excel 500 - XC5010C	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0		→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com								
	Excel 500 - XC5210C	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0		LX and LN-RTUL Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com			
	Excel 500 - XCL5010	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0		Packaged Equipment Controller-03	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cb/html/contact.asp			
	TAC Xenta 281	<i>Schneider Electric</i>	TP/FT-10	v3.0		Roof Top Unit-03	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings					→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
	TAC Xenta 282	<i>Schneider Electric</i>	TP/FT-10	v3.0		Constant Volume AHU Controller	<i>Honeywell International, Inc.</i>	TP/XF-78	v3.0
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings					→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,			
Fan Controller	TAC Xenta 301	<i>Schneider Electric</i>	TP/FT-10	v3.0		Excel 10 Constant Volume AHU Controller	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings					→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com			

	NXA-RTU-01 Controller	<i>Electronic Systems USA, Inc.</i>	TP/FT-10	v3.0
	→ John Gnadinger, +1 502-495-6700 ext.206, john.d.gnadinger@jci.com,			
	TAC Xenta 104	<i>Schneider Electric</i>	TP/FT-10	v3.0
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
SCC - Air-Handling Unit	IQL 16 Air Handling Unit Controller	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3
	→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com			
	SCC-300-AHC/SCC-310-AHC	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.3
	→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp			
	Matrix iS21 Air Handling Unit Controller	<i>Matrix Controls Pte. Ltd.</i>	TP/FT-10	v3.2
	→ Leong Sae Chew, +65 6743 9788, lsc@matrix-controls.com, www.matrix-controls.com/contactFm.asp			
	→ Robin Long, +65 6743 9788, rlong@matrix-controls.com, www.matrix-controls.com/contactFm.asp			
SCC - Chilled Ceiling	TAC Xenta 110-D Dual Zone Controller	<i>Schneider Electric</i>	TP/FT-10	v3.2
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
SCC - Fan Coil	ECC-PFCU	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECC-PFCUA	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	IRC-SRC	<i>Distech Controls SAS (Acelia - Comtec Technologie)</i>	TP/FT-10	v3.4
	→ Guy Devaux, +33 4 78 45 01 23, guy.devaux@distech-controls.com, www.acelia.eu			
	LX and LN-PFCU Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4
	→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com			
	LX and LN-PFCUA Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4
	→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com			
	SRC-FT50	<i>Distech Controls SAS (Acelia - Comtec Technologie)</i>	TP/FT-10	v3.4
	→ Guy Devaux, +33 4 78 45 01 23, guy.devaux@distech-controls.com, www.acelia.eu			
	TAC Xenta 121-FC	<i>Schneider Electric</i>	TP/FT-10	v3.4
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
	Tracer ZN525	<i>Trane</i>	TP/FT-10	v3.4
	→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
	IQL 10/11 Fan Coil Unit Controller 230V	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3
	→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com			

SCC - Generic

IQL 10/11 Fan Coil Unit Controller 24V	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3
→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com			
IQL 12/13 Fan Coil Unit Controller	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3
→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com			
IQL 14/15 Fan Coil Unit Controller	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3
→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com			
SCC-300-FCC/SCC-310-FCC	<i>Efficient Building Fan Coil Terminal Unit Controller</i>	TP/FT-10	v3.3
→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp			
Tracer ZN523	<i>Trane</i>	TP/FT-10	v3.3
→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
XL12 FCU + 4 Lights	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.3
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html			
XL12 FCU + Light	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.3
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html			
AD-TCU Fan Coil Unit Controller	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com,			
Excel 12 FCU + Light + Sunblind	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html			
LTEC CW/HW FCU	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com,			
LTEC DX FCU	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com			
Metasys AD-TCU x2xx Series 2 of Fan Coil Unit Controllers	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com,			
Predator® Fan Coil Unit Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com			
Predator® Fan Coil Unit Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com			
ECL-STAT-FC/ZN Series	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			

ECL-STAT-RT/HP Series	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		Programmable Thermostat EC-STAT	<i>Distech Controls Inc.</i>	TP/FT-10	v3.3
→ Patrick Winkelman, +1 727-781-9610, pwinkelman@distech-controls.com , www.distech-controls.com					→ Patrick Winkelman, +1 727-781-9610, pwinkelman@distech-controls.com , www.distech-controls.com			
→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com , www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com , www.distech-controls.com			
ECL-STAT-RT2H Series	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		SCC-300-PRG/ SCC-310-PRG Programmable Space Comfort Controller	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.3
→ Patrick Winkelman, +1 727-781-9610, pwinkelman@distech-controls.com , www.distech-controls.com					→ Surge Uppal, +1 604-248-4404, ssu@circon.com , www.circon.com/profile/contact_us.asp			
→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com , www.distech-controls.com								
MicroTech III Applied Air Unit Controller, SCC McQuay International		TP/FT-10	v3.4		T7600 Programmable Thermostat	<i>Viconics Electronics Inc.</i>	TP/FT-10	v3.3
→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com , www.mcquay.com/McQuay/locator/SalesRepLocator					→ Louis Viglione, +1 514-321-5660, lviglione@viconics.com , www.viconics.com			
PIR Ready TEC220x and TEC226x - Roof Top Unit/Heatpump	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4		→ Trevor Palmer, +1 514-321-5660, tpalmer@viconics.com , www.viconics.com			
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com								
PIR Ready VT7200 and VT7300 - Zoning/Fan Coil Unit	<i>Viconics Electronics Inc.</i>	TP/FT-10	v3.4		Tracer LCI-R SCC	<i>Trane</i>	TP/FT-10	v3.3
→ Louis Viglione, +1 514-321-5660, lviglione@viconics.com , www.viconics.com					→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
→ Trevor Palmer, +1 514-321-5660, tpalmer@viconics.com , www.viconics.com								
PIR Ready VT7600 - Roof Top Unit/Heatpump	<i>Viconics Electronics Inc.</i>	TP/FT-10	v3.4		Tracer ZN517	<i>Trane</i>	TP/FT-10	v3.3
→ Louis Viglione, +1 514-321-5660, lviglione@viconics.com , www.viconics.com					→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
→ Trevor Palmer, +1 514-321-5660, tpalmer@viconics.com , www.viconics.com								
PIR Ready VT76x7 with RH	<i>Viconics Electronics Inc.</i>	TP/FT-10	v3.4		Tracer ZN520/521	<i>Trane</i>	TP/FT-10	v3.3
→ Louis Viglione, +1 514-321-5660, lviglione@viconics.com , www.viconics.com					→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
→ Trevor Palmer, +1 514-321-5660, tpalmer@viconics.com , www.viconics.com								
TEC22X6 and TEC22X7 - Zoning/Fan Coil Unit for LON	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4		VT7200 and VT7300 - LonTalk® Zoning/Fan Coil Unit Communicating Thermostats	<i>Viconics Electronics Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com ,					→ Louis Viglione, +1 514-321-5660, lviglione@viconics.com , www.viconics.com			
→ Margaret Graef, +1 414-524-4329					→ Trevor Palmer, +1 514-321-5660, tpalmer@viconics.com , www.viconics.com			
TEC22XX-3	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4		IQL 16 Heat Pump Controller	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.4
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com					→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com , www.trend-controls.com			
→ Margaret Graef, +1 414-524-4329								
Tracer ZN510/511	<i>Trane</i>	TP/FT-10	v3.4		MicroTech III Water Source Heat Pump Controller with Single Stage Compressor	<i>McQuay International</i>	TP/FT-10	v3.4
→ Chuck Lehn, +1 651-407-4208, clehn@trane.com					→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com , www.mcquay.com			
VT7600	<i>Viconics Electronics Inc.</i>	TP/FT-10	v3.4		MicroTech III Water Source Heat Pump Controller with Two-Stage Compressor	<i>McQuay International</i>	TP/FT-10	v3.4
→ Louis Viglione, +1 514-321-5660, lviglione@viconics.com , www.viconics.com					→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com , www.mcquay.com			
→ Trevor Palmer, +1 514-321-5660, tpalmer@viconics.com , www.viconics.com								
EC-Stat-FC	<i>Distech Controls Inc.</i>	TP/FT-10	v3.3		TAC Xenta 121-HP	<i>Schneider Electric</i>	TP/FT-10	v3.4
→ Patrick Winkelman, +1 727-781-9610, pwinkelman@distech-controls.com , www.distech-controls.com					→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com , www.schneider-electric.com/buildings			
→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com , www.distech-controls.com								
LN-RTSTx-0 - LN-HPSTx-0 Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3		Tracer ZN524	<i>Trane</i>	TP/FT-10	v3.4
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com					→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
MicroTech II™ Rooftop/Self-Contained Unit Controller SCC	<i>McQuay International</i>	TP/FT-10	v3.3		Predator® Heat Pump Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3
→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com			

	LTEC HP	Siemens Building Technologies	TP/FT-10	v3.2		DESIGO RXC10 / CLC06, Chilled/Heated Ceiling, 2-Pipe System with Change Over	Siemens Building Technologies	TP/FT-10	v3.0
SCC - Rooftop Unit	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com,					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	IQL 16 Roof Top Unit Controller	Trend Control Systems Ltd.	TP/FT-10	v3.4		DESIGO RXC20 / CLC01, Chilled Ceiling, Cooling Only (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	Maverick I™ Commercial Packaged Rooftop, SCC	McQuay International	TP/FT-10	v3.4		DESIGO RXC20 / CLC02, Chilled Ceiling & Radiator (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com, www.mcquay.com/McQuay/locator/SalesRepLocator					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	MicroTech II® Maverick II Rooftop Unit Controller (SCC)	McQuay International	TP/FT-10	v3.4		DESIGO RXC20 / CLC06, Chilled/Heated Ceiling, 2-Pipe System with Change Over	Siemens Building Technologies	TP/FT-10	v3.0
	→ Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com, www.mcquay.com/McQuay/locator/SalesRepLocator					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	SCC-300-RTC/SCC-310-RTC Rooftop AC Terminal Unit Controller	Efficient Building Automation Corporation	TP/FT-10	v3.3		DESIGO RXC20 / FNC02, Fan Coil 2-Pipe System (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	T7350 Thermostat	Honeywell International, Inc.	TP/FT-10	v3.3		DESIGO RXC20 / FNC04, Fan Coil 4-Pipe System (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, customer.honeywell.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
SCC - Template for Controller-Based Nodes	DESIGO RXC10 / CLC02, Chilled Ceiling & Radiator, for Room Controller (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0		DESIGO RXC20 / FNC18, Fan Coil 2-Pipe System (Cooling) with Radiator Heating	Siemens Building Technologies	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	DESIGO RXC10 / RAD01, LTHW Radiator for Room Controller (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0		DESIGO RXC20 / RAD01, LTHW Radiator (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	DESIGO RXC21 / CLC09, Chilled/Heated Ceiling, 2-Pipe System for Room Controller	Siemens Building Technologies	TP/FT-10	v3.0		DESIGO RXC21 / CLC08, Chilled/Heated Ceiling, 4-Pipe System with 2 Change Over	Siemens Building Technologies	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	DESIGO RXC30_40 / INT03, Chilled Ceiling & Radiator (Thermic Valve), 2 Lights On/Off, 2 Lights Simmed	Siemens Building Technologies	TP/FT-10	v3.0		DESIGO RXC21 / CLC09, Chilled/Heated Ceiling, 2-Pipe System (Thermic Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	DESIGO RX (Chilled Ceiling and Radiator with Thermic Valve, and 2 Lights On/Off, 2 Blinds Up/Down)	Siemens Building Technologies	TP/FT-10	v3.0		DESIGO RXC21 / FNC02, Fan Coil 2-Pipe System (Motor Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			
	DESIGO RXC10 / CLC01, Chilled Ceiling (Cooling Only) for Room Controller	Siemens Building Technologies	TP/FT-10	v3.0		DESIGO RXC21 / FNC04, Fan Coil 4-Pipe System (Motor Valve)	Siemens Building Technologies	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur			

DESIGO RXC21 / FNC08, Fan Coil 4-Pipe System & Supply Air Temp. Limit Control (Motor Valve) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	SCC - Unit Ventilator	IQL 16 Unit Ventilator (FCU-UV) → Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com	Trend Control Systems Ltd.	TP/FT-10	v3.4
DESIGO RXC21 / FNC10, Fan Coil 2-Pipe System & Outside Air Damper (Motor Valve) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	MicroTech II™ Unit Ventilator Unit Controller → Lonnie Weyer, +1 763-553-5375, lonnie.weyer@mcquay.com	McQuay International	TP/FT-10	v3.3	
DESIGO RXC21 / FNC10, Fan Coil 2-Pipe System & Outside Air Damper (Thermic Valve) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	Predator® Unit Vent w/Dehumid Controller → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com	Siemens Building Technologies	TP/FT-10	v3.3	
DESIGO RXC21 / FNC12, Fan Coil 4-Pipe System & Outside Air Damper → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	SCC-300-UVC/SCC-310-UVC Unit Ventilator Terminal Unit Controller → Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp	Efficient Building Automation Corporation	TP/FT-10	v3.3	
DESIGO RXC21 / FNC18, Fan Coil 2-Pipe System (Cooling) with Radiator Heating → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	LTEC CW/HW UV → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com,	Siemens Building Technologies	TP/FT-10	v3.2	
DESIGO RXC30 / INT01, Chilled Ceiling & Radiator (Thermic Valve), 2 Lights On/Off → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	LTEC DX UV → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com,	Siemens Building Technologies	TP/FT-10	v3.2	
DESIGO RXC30_40 / INT02, Chilled Ceiling & Radiator (Thermic Valve), 4 Lights On/Off → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	LTEC UV W/FC BP → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com,	Siemens Building Technologies	TP/FT-10	v3.2	
DESIGO RXC30_40_41 / INT06, Chilled Ceiling & Radiator (Thermic Valve), 4 Lights On/Off, 2 Blinds Up/Down → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	Predator® Unit Ventilator Controller → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com	Siemens Building Technologies	TP/FT-10	v3.2	
DESIGO RXC30_40_41 / INT07, Chilled Ceiling & Radiator (Thermic Valve), 2 Lights On/Off, 2 Blinds Dimmed, 2 Blinds Up/Down → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	Predator® Unit Ventilator Controller → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.staefa.com	Siemens Building Technologies	TP/FT-10	v3.2	
DESIGO RXC30_41_41 / INT05, Chilled Ceiling & Radiator (Thermic Valve), 2 Lights On/Off, 4 Blinds Up/Down → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com/fs_e.asp?the_target=loc_eur	Siemens Building Technologies	TP/FT-10	v3.0	ECC-VAV → Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com → Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com	Distech Controls Inc.	TP/FT-10	v3.4	
				ECC-VAVS → Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com → Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com	Distech Controls Inc.	TP/FT-10	v3.4	
				IQL 11 VVT Unit Controller 24V → Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com, www.trend-controls.com	Trend Control Systems Ltd.	TP/FT-10	v3.4	
				LN-VxxLFS Series → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com	Johnson Controls, Inc.	TP/FT-10	v3.4	
				LX and LN-VxxLx Series → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com	Johnson Controls, Inc.	TP/FT-10	v3.4	

Theris™ Room Controller for Healthcare Applications	<i>Phoenix Controls Corporation</i>	TP/FT-10	v3.4		DESIGO RXC31_40 / INT10, Single-Duct Supply and Extract Air System (VAV08)	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2	
→ Rich Stakutis, +1 978-795-3480, rstakutis@phoenixcontrols.com , www.phoenixcontrols.com					2 Lighting Groups On/Off				
Tracel™ Room Controller for Life Science Applications	<i>Phoenix Controls Corporation</i>	TP/FT-10	v3.4		→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.landisstaefa.com				
→ Rich Stakutis, +1 978-795-3480, rstakutis@phoenixcontrols.com , www.phoenixcontrols.com									
VAV-332-IMV/VAV-332-XMV Pre-Configured VAV Box Controller	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.4		DESIGO RXC32 / VAV01, Single-Duct Supply or Extract Air System	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2	
→ Surge Uppal, +1 604-248-4404, ssu@circon.com , www.circon.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.landisstaefa.com				
VAV-332-PRG/VAV-332-XPR	<i>Efficient Building Automation Corporation</i>	TP/FT-10	v3.4		DESIGO RXC32 / VAV02, Single Duct Supply Air System with Reheater or Cooling Coil	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2	
→ Surge Uppal, +1 604-248-4404, ssu@circon.com , www.circon.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.landisstaefa.com				
IQL 17 VAV Unit Controller	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3		LTEC SDVAV	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2	
→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com , www.trend-controls.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com				
IQL VAV - VAV Unit Controller 24V	<i>Trend Control Systems Ltd.</i>	TP/FT-10	v3.3		Predator® Variable Air Volume/ Constant Volume Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2	
→ Graeme Rees, +44 1403 226588, graeme.rees@trendcontrols.com , www.trend-controls.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com				
Predator® VAV w/Variable Speed Fan Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		VMA 1200 Series Controller	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.1	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com					→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com ,				
Predator® VAV Dual Duct Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		AD-RCM X205 New Style Room Command Module	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com					→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com ,				
Predator® VAV Single Duct Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		RBW3x-x-L	<i>Kieback&Peter GmbH & Co. KG</i>	TP/FT-10	v3.4	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com					→ Hans Symanczik, +49 30 60095 135, symanczik@kieback-peter.de , www.kieback-peter.de/de-en/				
Predator® VAV w/Supply Air Temp Response Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		DDC 110-L Command Module	<i>Kieback&Peter GmbH & Co. KG</i>	TP/FT-10	v3.3	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com					→ Hans Symanczik, +49 30 60095 135, symanczik@kieback-peter.de , www.kieback-peter.de				
Staefa Predator® VAV Terminal with CO2 Control Loop	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		Matrix iS21 Wall Mount Command Module SFC9LD	<i>Matrix Controls Pte. Ltd.</i>	TP/FT-10	v3.3	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com					→ Leong Sae Chew, +65 6743 9788, isc@matrix-controls.com , www.matrix-controls.com/contactfm.asp				
Tracer VV550/VV551	<i>Trane</i>	TP/FT-10	v3.3			→ Robin Long, +65 6743 9788, rlong@matrix-controls.com , www.matrix-controls.com/contactfm.asp			
→ Chuck Lehn, +1 651-407-4208, clehn@trane.com									
VAV Dual Duct Controller	<i>Siemens Building Technologies</i>	TP/FT-10	v3.3		STR350/351 LON Wall Modules with Display	<i>Schneider Electric</i>	TP/FT-10	v3.3	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.staefa.com					→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com , www.schneider-electric.com/buildings				
DESIGO RXC31 / VAV04, Single-Duct Supply / Extract Air System	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2		Metasys AD-RCM x2xx Series of Room Command Modules	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.2	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.landisstaefa.com					→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com , N/A				
DESIGO RXC31 / VAV05, Single-Duct Supply / Extract Air System with Reheater or Cooling Coil	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2		Wall Mount Command Module for Fan Coil Units & Air Handling Units (Matrix iS21 - SFC4LD)	<i>Matrix Controls Pte. Ltd.</i>	TP/FT-10	v3.2	
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.landisstaefa.com					→ Leong Sae Chew, +65 6743 9788, isc@matrix-controls.com , www.matrix-controls.com/contactFm.asp				
DESIGO RXC31 / VAV08, Single-Duct Supply and Extract Air System with Radiator-Type Heating	<i>Siemens Building Technologies</i>	TP/FT-10	v3.2			→ Robin Long, +65 6743 9788, rlong@matrix-controls.com , www.matrix-controls.com/contactFm.asp			
→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com , www.landisstaefa.com									

	Wall Mount Command Module for VAV Terminal Boxes (Matrix iS21 - SAV2LD)	Matrix Controls Pte. Ltd.	TP/FT-10	v3.2	
	→ Leong Sae Chew, +65 6743 9788, lsc@matrix-controls.com, www.matrix-controls.com/contactFm.asp				
	→ Robin Long, +65 6743 9788, rlong@matrix-controls.com, www.matrix-controls.com/contactFm.asp				
Thermostat	DDC 110-L Single Room Controller	Kieback&Peter GmbH & Co. KG	TP/FT-10	v3.3	
	→ Hans Symanczik, +49 30 60095 135, symanczik@kieback-peter.de, www.kieback-peter.de				
	Q7300 Thermostat	Honeywell International, Inc.	TP/FT-10	v3.0	
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,				
Unit Ventilator Controller	ComfortPoint® Unit Ventilator	Honeywell International, Inc.	TP/FT-10	v3.4	
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, buildingsolutions.honeywell.com				
	LX and LN-UVL Series	Johnson Controls, Inc.	TP/FT-10	v3.3	
	→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				
	Unit Ventilator Controller EC-UV-L	Distech Controls Inc.	TP/FT-10	v3.3	
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com				
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com				
VAV Controller	ComfortPoint® Variable Air Volume Box	Honeywell International, Inc.	TP/FT-10	v3.4	
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, buildingsolutions.honeywell.com				
	I/A Series MicroNet Controller - VAV	TAC, LLC (Formerly Invensys Building Systems Inc.)	TP/FT-10	v3.4	
	→ Ralph Box, +1 815-637-3946, ralph.box@tac.com, www.schneider-electric.com/buildings				
	iCON 0800L	Quantum Automation Pte Ltd.	TP/FT-10	v3.4	
	→ Frank Ko, +65 6740 0231, frankk@qa.com.sg, www.qa.com.sg/contact.htm				
	Infilex VC VAV Controller with Damper Actuator	Yamatake Corporation	TP/FT-10	v3.4	
	→ Fumio Fujimura, +81 3 6810 1407, fujimura-fumio@jp.yamatake.com, www.yamatake.com				
	T24-V42(-V02)LON - Room Control Module	Belimo Automation AG	TP/FT-10	v3.4	
	→ Markus Keel, +41 (0)43 843 61 11, keelma@belimo.ch, www.belimo.com.cn				
	→ Chris Jones, +1 800 543 9038 x 3160, chris.jones@us.belimo.com, www.belimo.com.cn				
	LN-VAVLx-0 - LN-VVTLx-0 Series	Johnson Controls, Inc.	TP/FT-10	v3.3	
	→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com,				
	Matrix iS21 VAV Controller	Matrix Controls Pte. Ltd.	TP/FT-10	v3.2	
	→ Leong Sae Chew, +65 6743 9788, lsc@matrix-controls.com, www.matrix-controls.com/contactFm.asp				
	→ Robin Long, +65 6743 9788, rlong@matrix-controls.com, www.matrix-controls.com/contactFm.asp				
	TAC Xenta 102-AX VAV Controller with Actuator and Airflow Transducer	Schneider Electric	TP/FT-10	v3.2	
	→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings				

I/O

Product	Company	Media	Version
3002PL	NICO Technology, Inc.	PL-20N	v3.4
Two-Channel Digital Output	→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, sales@nico-tech.com		
Four Digital Input, Four Digital Output	RICMOVER RMO-010	Shikoku Instrumentation CO., LTD.	v3.3
Eight-Channel Digital Input	→ Akihiro Saitani, +81 3 5521 6299, saitan1203@yonkei.co.jp, www.yonkei.co.jp		
	→ Akitomo Mori, +81 3 3433 8198, moriak1134@yonkei.co.jp, www.yonkei.co.jp		
	Digital Input Module - 2208L	NICO Technology, Inc.	v3.3
	→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, www.nico-tech.com/english/contact.html		
	SXL-SBCN081 Counter	IDEC Corporation	TP/FT-10
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com		
	D8I-LON-FTT	Distech Controls SAS (Acelia - Comtec Technologie)	v3.2
	→ Guy Devaux, +33 4 78 45 01 23, guy.devaux@distech-controls.com, www.comtectech.com		
	LITROL Digital Input Module (DIM8)	Siemens Building Technologies	TP/FT-10
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/		
	Digital Output Module - 2108L	NICO Technology, Inc.	TP/FT-10
	→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, www.nico-tech.com/english/contact.html		
	XFL821_AI	Honeywell International, Inc.	TP/FT-10
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html		

	A8I-LON-FTT	<i>Distech Controls SAS (Acelia - Comtec Technologie)</i>	TP/FT-10	v3.2			AO-10 Model # 41400	<i>Echelon Corporation</i>	TP/FT-10	v3.1
	→ Guy Devaux, +33 4 78 45 01 23, guy.devaux@distech-controls.com, www.comtectech.com						→ Vijay Dhingra, +1 408-790-3150, vdhingra@echelon.com, www.echelon.com/company/sales/Default.htm			
Analog Output	XFL822_AO	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.4	I/O		ECC-301	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html						→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
Digital I/O	iCON 1600L	<i>Quantum Automation Pte Ltd.</i>	TP/FT-10	v3.4			ECC-401	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Frank Ko, +65 6740 0231, frankk@qa.com.sg, www.qa.com.sg/contact.htm						→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
	SX5L-SBM16K1/S1/N1 Digital I/O	<i>DEC Corporation</i>	TP/FT-10	v3.3			→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com									
	DIO-10 Model # 41500	<i>Echelon Corporation</i>	TP/FT-10	v3.1			ECC-520	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Vijay Dhingra, +1 408-790-3150, vdhingra@echelon.com, www.echelon.com/company/sales/Default.htm						→ Patrick Winkelmann, +1 727-781-9610, pwinkelmann@distech-controls.com, www.distech-controls.com			
Digital Input	XFL823_DI	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.4			LX and LN-IO301 Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html						→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com			
	SX5L-SBN16B1 Digital Input	<i>IDECK Corporation</i>	TP/FT-10	v3.3			LX and LN-IO401 Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com						→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com			
	DI-10 Model # 41100	<i>Echelon Corporation</i>	TP/FT-10	v3.1			LX and LN-IO520 Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4
	→ Vijay Dhingra, +1 408-790-3150, vdhingra@echelon.com, www.echelon.com/company/sales/Default.htm						→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com			
Digital Output	XFL824_DO	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.4			RIBMW24SB-LNAI	<i>Functional Devices, Inc.</i>	TP/FT-10	v3.4
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html						→ Rich Bradshaw, +1 765-883-5538, x405, rich@functionaldevices.com, sales@functionaldevices.com			
	SX5L-SBT16K1/S1 Digital Output	<i>IDECK Corporation</i>	TP/FT-10	v3.3			Excel 10 Remote Input/Output Module	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.0
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com						→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com			
	DO-10 Model # 41200	<i>Echelon Corporation</i>	TP/FT-10	v3.1	Multi-Channel I/O		3004L 4 Channels Power Controller	<i>NICO Technology, Inc.</i>	TP/FT-10	v3.4
	→ Vijay Dhingra, +1 408-790-3150, vdhingra@echelon.com, www.echelon.com/company/sales/Default.htm						→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, www.nico-tech.com			
Generic Analog Input	SX5L-SBAN041 Analog Input	<i>IDECK Corporation</i>	TP/FT-10	v3.3			AddMe III	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.4
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com						→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com			
	SX5L-SBPT04X1 Thermometer 0 to 50	<i>IDECK Corporation</i>	TP/FT-10	v3.3			AddMe Lite	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.4
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com						→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com			
	SX5L-SBPT04Y1 Thermometer -20 to 80	<i>IDECK Corporation</i>	TP/FT-10	v3.3			AddMe Six Pak	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.4
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com						→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com			
	AI-10 Model # 41300	<i>Echelon Corporation</i>	TP/FT-10	v3.1			10 Channel Power Controller - 3010L	<i>NICO Technology, Inc.</i>	TP/FT-10	v3.3
	→ Vijay Dhingra, +1 408-790-3150, vdhingra@echelon.com, www.echelon.com/company/sales/						→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, www.nico-tech.com/english/contact.html			
Generic Analog Output	SX5L-SBAT041 Analog Output	<i>IDECK Corporation</i>	TP/FT-10	v3.3			AddMe II	<i>Control Solutions, Inc.</i>	TP/FT-10	v3.3
	→ Eiji Takiwaki, +81 6 6398 2532, etakiwaki@idec.co.jp, www.idec.com						→ Jim Hogenson, +1 651-426-4410 x201, jimhogenson@csimn.com, www.csimn.com			

	PowerSATELITE/L	<i>Fuji Electric Systems Co., Ltd.</i>	TP/FT-10	v3.3		ECP-403 (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Tatsuo Tateishi, +81 42 585 6287, tateishi-tatsuo@fujielectric.co.jp, shiotani-shigeru@fesys.co.jp					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
Multi-I/O Module	ECP-103	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-103 (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-500	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-203	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-500 (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-203 (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-PTU	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-300	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-PTU (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-300 (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-VAV	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-400	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-VAV (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-400 (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-VAVS	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	ECP-403	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4		ECP-VAVS (with EC-gfxProgram)	<i>Distech Controls Inc.</i>	TP/FT-10	v3.4
	→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com					→ Patrick Winkelmann, +1 727-781-9610, pwinkelman@distech-controls.com, www.distech-controls.com			
	→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com					→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com			
	Inflex GD	<i>Yamatake Corporation</i>	TP/FT-10	v3.4		LCS-4xx	<i>SysMik GmbH Dresden</i>	TP/FT-10	v3.4
	→ Fumio Fujimura, +81 3 6810 1407, fujimura-fumio@jp.yamatake.com, www.yamatake.com/					→ Gert-Ulrich Vack, +49 351 43358 0, sales@sysmik.de, www.sysmik.eu			
	LCS-4xx	<i>SysMik GmbH Dresden</i>	TP/FT-10	v3.4					
	→ Gert-Ulrich Vack, +49 351 43358 0, sales@sysmik.de, www.sysmik.eu								

LX and LN-PRG203 GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG4B-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG203 Non-GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG4C-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG300 GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG67-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG300 Non-GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG88C-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG4x0 GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG8A-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG4x0 Non-GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG8B-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG5x0 GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRG8C-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-PRG5x0 Non-GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-PRGRTU-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-VAVCF GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	LN-VAVCx-0 - LN-VVTCx-0 Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp			
LX and LN-VAVCF Non-GPI Series	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.4	D6I50-LON-FTT	<i>Distech Controls SAS (Acelia - Comtec Technologie)</i>	TP/FT-10	v3.2
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com				→ Guy Devaux, +33 4 78 45 01 23, guy.devaux@distech-controls.com, www.comtectech.com			
EC-67 Free Programmable I/O Controller	<i>Distech Controls Inc.</i>	TP/FT-10	v3.3	Excel Smart I/O	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
→ Patrick Winkelman, +1 727-781-9610, pwinkelma@distech-controls.com, www.distech-controls.com				→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html			
→ Caroline Cadieux, +1 450-444-9898 x 237, ccadieux@distech-controls.com, www.distech-controls.com				XFL521B	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
Excel Smart I/O Compact	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.3		→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,		
→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html				XFL523B	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.2
InfraTROL 100 Series	<i>Infranet Partners Limited</i>	TP/FT-10	v3.3		→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,		
→ Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk				SE-B II	<i>WAREMA Renkhoff SE</i>	TP/FT-10	v3.1
LN-PRG12A-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3		→ Martin Trunk, +49 (0) 9391 20 9650, martin.trunk@warema.de, www.warema-electronic.com		
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp							
LN-PRG12B-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3				
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp							
LN-PRG12C-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3				
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp							
LN-PRG4A-0	<i>Johnson Controls, Inc.</i>	TP/FT-10	v3.3				
→ Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com, www.johnsoncontrols.com/cg/html/contact.asp							

Multi-Output Module	2116L → Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, sales@nico-tech.com	NICO Technology, Inc.	TP/FT-10	v3.4		LITROL Relay Control Module (RCM4C) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/	Siemens Building Technologies	TP/FT-10	v3.2
	XFL522B → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,	Honeywell International, Inc.	TP/FT-10	v3.2		LITROL Relay Control Module (RCM4L) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/	Siemens Building Technologies	TP/FT-10	v3.2
	XFL524B → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com,	Honeywell International, Inc.	TP/FT-10	v3.2	Lighting	InfraLED → Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk, www.infranet-partners.co.uk	Infranet Partners Limited	TP/FT-10	v3.4
INDUSTRIAL						InfraLIGHT 200 → Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk, sales@infranet-partners.co.uk	Infranet Partners Limited	TP/FT-10	v3.4
Generator Set	Product FieldServer Caterpillar EMCP II Adapter → Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com	Company FieldServer Technologies	Media TP/FT-10	Version v3.3		DELi - 50 → Stephen Woodnutt, +44 20 8987 5907, stephen.woodnutt@delmatic.com	Delmatic Ltd.	TP/FT-10	v3.3
	FieldServer Kohler 550 Adapter → Steve Ferree, +1 408-262-2299 x 119, sferree@fieldserver.com, www.fieldserver.com					LRC 5038/10 → Noel Bonne, +31 40 27 55757, noel.bonne@philips.com, www.eur.lighting.philips.com	Philips Lighting B.V.	TP/FT-10	v3.3
LIGHTING						LRC 5038/10 → Noel Bonne, +31 40 27 55757, noel.bonne@philips.com, www.eur.lighting.philips.com	Philips Lighting B.V.	TP/FT-10	v3.3
Four-Switch Relay	Product Relay Output Control Module ROC_V201 → Ingo Loeffler, +49 8178 869 135, ingo.loeffler@honeywell.com, www.lifesafety.de	Company MST Technology GmbH	Media TP/FT-10	Version v3.3		ZMC 10Way Compact → Stephen Woodnutt, +44 20 8987 5907, stephen.woodnutt@delmatic.com	Delmatic Ltd.	TP/FT-10	v3.2
Dimmer 1-10V	4201PL → Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, sales@nico-tech.com	NICO Technology, Inc.	PL-20N	v3.3		ZMC DELi 16 → Stephen Woodnutt, +44 20 8987 5907, stephen.woodnutt@delmatic.com	Delmatic Ltd.	TP/FT-10	v3.2
	LITROL Dimmer Actuator (DACT-FL4) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/	Siemens Building Technologies	TP/FT-10	v3.2	Lighting Panel Controller	WNX-2624 Lighting Controller → Anthony Lee, +1 604-873-2797, tonyl@douglaswest.com, www.douglaslightingcontrols.com	Douglas Lighting Controls	TP/FT-10	v3.1
Lamp Actuator	4-Channel Digital Dimmer - 4404L → Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, www.nico-tech.com/english/contact.html	NICO Technology, Inc.	TP/FT-10	v3.3		Simplicity LX Lighting Control Panel → Terry Arbouw, +1 512-450-1100 x7433, tarbouw@hubbell-automation.com, www.hubbell-automation.com	Hubbell Building Automation, Inc.	TP/FT-10	v3.3
	InfraDALI 100 → Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk, www.infranet-partners.ch	Infranet Partners Limited	TP/FT-10	v3.3		LRC 5042: 2-Way Light Switch → Noel Bonne, +31 40 27 55757, noel.bonne@philips.com, www.lonmark.org/products/sales/philips.htm	Philips Lighting B.V.	TP/FT-10	v3.1
	InfraDALI 1000 FT → Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk, www.infranet-partners.ch	Infranet Partners Limited	TP/FT-10	v3.3		LRC 5048: 8 Way Light Switch → Noel Bonne, +31 40 27 55757, noel.bonne@philips.com, www.lonmark.org/products/sales/philips.htm	Philips Lighting B.V.	TP/FT-10	v3.1
	InfraDALI 1000 IP → Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk, www.infranet-partners.ch	Infranet Partners Limited	IP-852	v3.3		OLC Light Controller for Pole or Luminary Installation → Horst Kremer-Merseburg, +49 2836 91625, h.kremer-merseburg@siteco.de, www.siteco.com	Siteco Control GmbH	PL-20C	v3.4
	WBC-2512 Ballast Controller → Anthony Lee, +1 604-873-2797, tonyl@douglaswest.com, www.douglaslightingcontrols.com	Douglas Lighting Controls	TP/FT-10	v3.3	Real-Time Keeper	XL800 Controller → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, europe.hbc.honeywell.com/products/index.html	Honeywell International, Inc.	TP/FT-10	v3.4
	WNR-2112 Relay Controller → Anthony Lee, +1 604-873-2797, tonyl@douglaswest.com, www.douglaslightingcontrols.com	Douglas Lighting Controls	TP/FT-10	v3.3		DDC-3550-L → Hans Symanczik, +49 30 60095 135, symanczik@kieback-peter.de, www.kieback-peter.de	Kieback&Peter GmbH & Co. KG	TP/FT-10	v3.3
	LITROL Relay Control Module (RCM2L) → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/	Siemens Building Technologies	TP/FT-10	v3.2					

Scene Panel	DDC3550-L/TP	Kieback&Peter GmbH & Co. KG	TP/XF-1250	v3.3
	→ Hans Symanczik, +49 30 60095 135, symanczik@kieback-peter.de, www.kieback-peter.de			
	LON-VCU	WAREMA Renkhoff SE	TP/FT-10	v3.3
	→ Martin Trunk, +49 (0) 9391 20 9650, martin.trunk@warema.de, www.warema-electronic.com			
Switch	WNS-2308 Input Node	Douglas Lighting Controls	TP/FT-10	v3.3
	→ Anthony Lee, +1 604-873-2797, tonyl@douglaswest.com, www.douglaslightingcontrols.com			
	WNS-2313 3 Button Switch	Douglas Lighting Controls	TP/FT-10	v3.3
	→ Anthony Lee, +1 604-873-2797, tonyl@douglaswest.com, www.douglaslightingcontrols.com			
Switch/Sensor	ECS-SW	OILES ECO Corporation	TP/FT-10	v3.3
	→ Shouji Kubota, +81 3 5427 6644, s.kubota@oiles.co.jp, www.oiles-eco.co.jp/			
	Simplicity LX Switch Station	Hubbell Building Automation, Inc.	TP/FT-10	v3.3
	→ Terry Arbouw, +1 512-450-1100 x7433, tarbouw@hubbell-automation.com, www.hubbell-automation.com			
Thyristor Dimmer	LITROL Programmable Switch Module (PSM-ARD)	Siemens Building Technologies	TP/FT-10	v3.2
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/			
	LITROL Programmable Switch Module (PSM-ATD4)	Siemens Building Technologies	TP/FT-10	v3.2
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/			
Transistor Dimmer	LITROL Programmable Switch Module (PSM-ATS4)	Siemens Building Technologies	TP/FT-10	v3.2
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/			
	LITROL Programmable Switch Module (PSM-BTD3)	Siemens Building Technologies	TP/FT-10	v3.2
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/			
Thyristor Dimmer	LITROL Programmable Switch Module (PSM-BTS3)	Siemens Building Technologies	TP/FT-10	v3.2
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/			
	Simplicity LX Dry Contact Interface Module	Hubbell Building Automation, Inc.	TP/FT-10	v3.3
	→ Terry Arbouw, +1 512-450-1100 x7433, tarbouw@hubbell-automation.com, www.hubbell-automation.com/			
Transistor Dimmer	4401L Single Channel Dimmer	NICO Technology, Inc.	PL-20N	v3.4
	→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, sales@nico-tech.com			
	LITROL Dimmer Actuator (DACT-IN3)	Siemens Building Technologies	TP/FT-10	v3.2
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.litrol.com/			
Transistor Dimmer	4301PL	NICO Technology, Inc.	PL-20N	v3.4
	→ Thomas Choo, +886 2 2954 5338, thomas@nico-tech.com, sales@nico-tech.com			

MOTOR CONTROLS**AC Drive (v3.0 Products Only)**

Product	Company	Media	Version
Serial Communication Option - 1.25 Mbps	Danfoss Drives A/S	TP/XF-1250	v3.0
→ Roger Maves, +1 414-365-8621, rmaves@danfoss.com, www.danfoss.com/how2con/			
→ Ove Wiuff, +45 74 88 31 92, wiuff@danfoss.com, www.danfoss.com/how2con/			
Serial Communication Option - 78 Kbps	Danfoss Drives A/S	TP/XF-78	v3.0
→ Roger Maves, +1 414-365-8621, rmaves@danfoss.com, www.danfoss.com/how2con/			
→ Ove Wiuff, +45 74 88 31 92, wiuff@danfoss.com, www.danfoss.com/how2con/			
animeo® LON 4 DC Motor Controller	SOMFY	TP/FT-10	v3.4
→ Oliver Stahl, +49 74 72 930-239, oliver.stahl@somfy.com, www.somfy.com/buildings/			
animeo® LON 4 DC/E Motor Controller	SOMFY	TP/FT-10	v3.4
→ Oliver Stahl, +49 74 72 930-239, oliver.stahl@somfy.com, www.somfy.com/buildings/			
animeo® LON 4AC Motor Controller	SOMFY	TP/FT-10	v3.4
→ Oliver Stahl, +49 74 72 930-239, oliver.stahl@somfy.com, www.somfy.com/buildings/			
3C0A - Variable-Speed Motor Drive	Schneider Electric	TP/FT-10	v3.4
→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
ATV21 Speed Drives for LonWorks	Schneider Electric	TP/FT-10	v3.4
→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
ATV61 Speed Drives for LonWorks	Schneider Electric	TP/FT-10	v3.4
→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
FLON-01	ABB Oy	TP/FT-10	v3.4
→ Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com, www.abb.com/contacts			
RLON-01B and ACH550	ABB Oy	TP/FT-10	v3.4
→ Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com, www.abb.com/contacts			
RLON-01B and ACS550	ABB Oy	TP/FT-10	v3.4
→ Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com, www.abb.com/contacts			
RLON-01B and ACS800 std	ABB Oy	TP/FT-10	v3.4
→ Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com, www.abb.com/contacts			
SM-LON	Control Techniques/ Emerson	TP/FT-10	v3.4
→ James Kirkwood, +44 1686 612078, james.kirkwood@controltechniques.com, www.controltechniques.com			
TAC VF-PS1 LON Speed Drives	Schneider Electric	TP/FT-10	v3.4
→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			
TR200 Series VFD	Trane	TP/FT-10	v3.4
→ Chuck Lehn, +1 651-407-4208, clehn@trane.com			
VF-FS1 LonWorks Speed Drive	Schneider Electric	TP/FT-10	v3.4
→ Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings			

VLT® HVAC Drive FC 102 *Danfoss Drives A/S* TP/FT-10 v3.4
 → Roger Maves, +1 414-365-8621, rmaves@danfoss.com, www.danfoss.com
 → Ove Wiuff, +45 74 88 31 92, wiuff@danfoss.com, www.danfoss.com

EasyDrive (SED2) Variable Frequency Driver Controller *Siemens Building Technologies* TP/FT-10 v3.3
 → Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.sbt.siemens.com

Matrix iS21 2-Motor Variable Speed Controller *Matrix Controls Pte. Ltd.* TP/FT-10 v3.3
 → Leong Sae Chew, +65 6743 9788, lsc@matrix-controls.com, www.matrix-controls.com/contactFm.asp
 → Robin Long, +65 6743 9788, rlong@matrix-controls.com, www.matrix-controls.com/contactFm.asp

TAC VSD LON for TAC ATV Speed Drives *Schneider Electric* TP/FT-10 v3.3
 → Jan Brissman, +46 40 386 880, jan.brissman@buildings.schneider-electric.com, www.schneider-electric.com/buildings

TR1 Series VFD *Trane* TP/FT-10 v3.3
 → Chuck Lehn, +1 651-407-4208, clehn@trane.com

Variable Speed Drive VLT 6000 HVAC *Danfoss Drives A/S* TP/FT-10 v3.3
 → Roger Maves, +1 414-365-8621, rmaves@danfoss.com, www.danfoss.com/how2con/
 → Ove Wiuff, +45 74 88 31 92, wiuff@danfoss.com, www.danfoss.com/how2con/

Variable Speed Drive LonWORKS Communications Card (VSD-200) *Efficient Building Automation Corporation* TP/FT-10 v3.2
 → Surge Uppal, +1 604-248-4404, ssu@circon.com, www.circon.com/profile/contact_us.asp

GPD506/P5 Variable Speed Motor Drive *Yaskawa Electric America, Inc.* TP/FT-10 v3.1
 → Steve Mack, +1 414-856-2570, steve_mack@yaskawa.com, www.yaskawa.com

NLON-01 N400 *ABB Oy* TP/FT-10 v3.1
 → Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com

NLON-01 N60030 *ABB Oy* TP/FT-10 v3.1
 → Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com

NLON-01 N60050 *ABB Oy* TP/FT-10 v3.1
 → Mika J. Karna, +358 10 2222729, mika.j.karna@fi.abb.com

NETWORK INFRASTRUCTURE

ANSI/EIA-709.1 Router **Product** *Johnson Controls, Inc.* **Company** **Media** TP/FT-10 **Version** v3.4
PIR Ready TEC2245, TEC22x6 and TEC22x7 - Zoning/Fan Coil Unit
 → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com

Channel Monitor **MPR-50 Multi-Port Router #42150** *Echelon Corporation* DC-2500/SECD v3.4
 → Vijay Dhingra, +1 408-790-3150, vdhingra@echelon.com, www.echelon.com/products/routers/

Foreign System Connection Sensor **NU-NET201-0 LON N2 Card for NCM300** *Johnson Controls, Inc.* TP/XF-78 v3.0
 → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com,

NU-NET202-0 *Johnson Controls, Inc.* TP/FT-10 v3.0
 → Terry Hoffmann, +1 414-524-4698, terry.hoffmann@jci.com,

Generic Controller

iCON 1900L *Quantum Automation Pte Ltd.* TP/FT-10 v3.4
 → Frank Ko, +65 6740 0231, frankk@qa.com.sg, www.qa.com.sg/contact/htm

iCON 3400L

iCON 3400L *Quantum Automation Pte Ltd.* TP/FT-10 v3.4
 → Frank Ko, +65 6740 0231, frankk@qa.com.sg, www.qa.com.sg/contact.htm

iCON 4600L

iCON 4600L *Quantum Automation Pte Ltd.* TP/FT-10 v3.4
 → Frank Ko, +65 6740 0231, frankk@qa.com.sg, www.qa.com.sg/contact.htm

REFRIGERATION

Refrigeration

Product **Micro Guardian Space Pressure Monitor** **Company** *Paragon Controls Inc.* **Media** TP/FT-10 **Version** v3.4
 → Larry Winterbourne, +1 707-579-1424, lwinterbourne@paragoncontrols.com, www.paragoncontrols.com/Pressure%20Monitors.htm

SENSORS

CO₂ Sensor

Product **IAQPoint** **Company** *Honeywell International, Inc.* **Media** TP/FT-10 **Version** v3.4
 → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, www.vulcaininc.com

IAQPoint

IAQPoint *Honeywell International, Inc.* TP/FT-10 v3.4
 → Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com, www.vulcaininc.com

Gas Concentration Sensor

TR9292 ...TR9294-series CO₂ Sensors *AirTest Technologies Inc.* TP/FT-10 v3.4
 → Mike Schell, +1 805-687-3175, mike.schell@airtest.ca, www.AirTestTechnologies.com

CM4 Gas Monitor

CM4 Gas Monitor *Honeywell Zellweger Analytics* TP/FT-10 v3.2
 → Michael Grady, +1 800-323-2000, sales@zelana.com, www.zelana.com/findus.asp

LIFELINE II Gas Monitor

LIFELINE II Gas Monitor *Honeywell Zellweger Analytics* TP/FT-10 v3.2
 → Michael Grady, +1 800-323-2000, sales@zelana.com

Light Sensor

WPS-5900 Series Photosensor *Douglas Lighting Controls* TP/FT-10 v3.3
 → Anthony Lee, +1 604-873-2797, tonyl@douglaswest.com, www.douglaslightingcontrols.com

Multi-Function Sensor

System-10-LON BTU Meter *Onicon Incorporated* TP/FT-10 v3.4
 → David Johnston, +1 727-447-6140, djohnston@onicon.com, www.onicon.com

ZMC Lon Multi-Sensor

ZMC Lon Multi-Sensor *Delmatic Ltd.* PL-10 v3.2
 → Stephen Woodnutt, +44 20 8987 5907, stephen.woodnutt@delmatic.com

Occupancy Sensor

LRI 5133-10 Helio Multi Sensor *Philips Lighting B.V.* TP/FT-10 v3.1
 → Noel Bonne, +31 40 27 55757, noel.bonne@philips.com, www.lonmark.org/products/sales/philips.htm

InfraSENSE 400

InfraSENSE 400 *Infranet Partners Limited* TP/FT-10 v3.4
 → Tim Sly, +44 (0) 845 345 9355, tim.sly@infranet-partners.co.uk, www.infranet-partners.co.uk

	Simplicity LX Occupancy Sensor	<i>Hubbell Building Automation, Inc</i>	TP/FT-10	v3.3		DESIGO RX Integrated Room Operation with 3 Light Switches, 3 Blind Switches - QAX50/51 / IRO33	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Terry Arbouw, +1 512-450-1100 x7433, tarbouw@hubbell-automation.com, www.hubbell-automation.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
	Focus 1575	<i>Capelon AB</i>	TP/FT-10	v3.2		DESIGO RX Integrated Room Operation with 4 Light Switches - QAX50/51 / IRO40	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Liang Liem, +46 8 680 69 60, liang@capelon.se, www.capelon.se					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
Pressure Sensor	FEMA High Pressure Sensor	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.1		DESIGO RX Integrated Room Operation with 4 Light Switches, 1 Blind Switch - QAX50/51 / IRO41	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
	FEMA Low Pressure Sensor	<i>Honeywell International, Inc.</i>	TP/FT-10	v3.1		DESIGO RX Integrated Room Operation with 4 Light Switches, 2 Blind Switches - QAX50/51 / IRO42	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Earl Gray, +1 425-334-6268, earl.gray2@honeywell.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
Sensors	animeo® LON Sensor Interface WM	<i>SOMFY</i>	TP/FT-10	v3.4		DESIGO RX Integrated Room Operation with 4 Light Switches, 3 Blind Switches - QAX50/51 / IRO43	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Oliver Stahl, +49 74 72 930-239, oliver.stahl@somfy.com, www.somfy.com/buildings/					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
	DESIGO RX Integrated Room Operation with 2 Light Switches - QAX50/51 / IRO20	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		DESIGO RX Integrated Room Operation with 5 Light Switches - QAX50/51 / IRO50	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
	DESIGO RX Integrated Room Operation with 2 light switches, 1 Blind Switch - QAX50/51 / IRO21	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		DESIGO RX Integrated Room Operation with 5 Light Switches, 1 Blind Switch - QAX50/51 / IRO51	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
	→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com					→ Theo Frutiger, +41 (41) 724-2424, theo.frutiger@siemens.com, www.landisstaefa.com			
	DESIGO RX Integrated Room Operation with 2 Light Switches, 2 Blind Switches - QAX50/51 / IRO22	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		DESIGO RX Integrated Room Operation with 5 Light Switches, 2 Blind Switches - QAX50/51 / IRO52	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
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	DESIGO RX Integrated Room Operation with 2 Light Switches, 3 Blind Switches - QAX50/51 / IRO23	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		DESIGO RX Integrated Room Operation with 6 Light Switches - QAX50/51 / IRO60	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
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	DESIGO RX Integrated Room Operation with 2 Light Switches, 4 Blind Switches - QAX50/51 / IRO24	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		DESIGO RX Integrated Room Operation with 6 Light Switches, 1 Blind Switch - QAX50/51 / IRO61	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
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	DESIGO RX Integrated Room Operation with 3 Light Switches - QAX50/51 / IRO30	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		DESIGO RX Integrated Room Operation with 6 Light Switches, 2 Blind Switches - QAX50/51 / IRO62	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0
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	DESIGO RX Integrated Room Operation with 3 Light Switches, 1 Blind Switch - QAX50/51 / IRO31	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		1201L-1K	<i>NICO Technology, Inc.</i>	TP/FT-10	v3.4
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	DESIGO RX Integrated Room Operation with 3 Light Switches, 2 Blind Switches - QAX50/51 / IRO32	<i>Siemens Building Technologies</i>	TP/FT-10	v3.0		InfraSense 50	<i>Infranet Partners Limited</i>	TP/FT-10	v3.3
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						LS-T01	<i>Capelon AB</i>	TP/FT-10	v3.3
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