CONTROLLERS

FOR HVAC SYSTEMS

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sedona

P-ION IP CONTROLLERS

P-ION series products are universal programmable controllers that can be used to manage a wide range of building systems including heating, ventilation, air-conditioning (HVAC) systems.

Basic and advanced control strategies can be programmed using the Sedona Framework™ for optimized performance.

Universal Inputs

All inputs can be configured as analog or voltage-free digital inputs.

Analog inputs are optimized for resistive type temperature sensors (e.g. PT1000) and 0-10 VDC devices. 13 bit A/D converters ensure high resolution measurements.

All inputs are protected against short circuits to ground and against direct connection up to 50 VAC.

Flex Points

Any flex I/O point can be configured as analog output, digital input or pulse input.

Analog outputs are used to control 0(2)-10V valve and damper actuators, humidifiers, frequency drives, etc. Convertor relay boards can be used to drive on/off loads.

All outputs are protected against short circuits to ground and against direct connection up to 50 VAC.

Optional Relay Board Extension

Two relay modules (RK-4) can be connected by ribbon cable to provide a total of 8 additional relay outputs at 10 Amps/230 Volts.

IP based programmable controller

- Implements Sedona Framework™

- 16 Universal Inputs

- 16 Flex Input/Outputs

- Up to 8 additional high power relay outputs

- Software based configuration

- Status LED for all inputs and outputs

- Real-time-clock
  with Niagara scheduling interface

- RJ45 Ethernet port
  RS485 port
  USB port (for firmware upgrade)

- Installer-friendly

* Feature available in 2014

R-ION series products are programmable room controllers ideal for managing a wide range of individual building products such as fan-coil-units and VAV boxes.

Extremely flexible customization options are available thanks to configurable color touch-screen, full programmability and custom logo placement options.

In addition to basic fan-speed and temperature settings, lighting controls can easily be integrated, as well as custom application specific functions (e.g. Do Not Disturb / Make Up Room buttons for hotel rooms).

Two-piece solution permits separation of power-wiring in remote terminal box, with only comms wires into wall unit.

AVAILABLE 2013 Q4

Only 10.5 mm deep

Communicating programmable room controller

- Implements Sedona Framework™

- 3.5" Color resistive touch-screen

- Very low profile

- Configurable graphics & themes

- Wired communications options
  - Modbus RTU
  - Sox over RS485
  - BacNET MSTP*

- Wireless options*
  - WIFI (IEEE 802.11b)
  - JenNet-IP 6LoWPAN

- Direct interface to Belimo MP-bus*

- Installer friendly

Actual Size (76.5 x 81.4 mm)

* Feature available in 2014

L-ION CONFIGURABLE CONTROLLERS

L-ION series products are universal configurable controllers for managing a wide range of heating, ventilation, air-conditioning (HVAC) systems.

Advanced control strategies are configurable via series of parameters. A comprehensive set of templates assure easy start-up.

The configuration is saved in non-volatile memory, allowing pre-configuration prior to shipment.

Real-time-clocks in some models allow the associated plant to be operated on a time schedule with weekly programming.

Modbus RTU protocol is an option for communication with Building Management Systems. This allows manufacturers of AHU's and similar equipment to ship BMS ready controls.

Troubleshooting is supported with logs of fault and alarm conditions, power failures and manual overrides.

- Flexible, configurable control strategies

- up to 4 analog inputs
  up to 7 digital inputs
  up to 4 analog outputs
  up to 3 digital outputs

- Remote setpoint potentiometer input*

- Protected inputs & outputs

- Easy to use templates for standard applications

- Real-time-clock with weekly time scheduling*

- Modbus RTU communication*

- Installer friendly

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* depending on model

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50 years in control

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Ontrol is a major System Integrator in Turkey and Eastern Europe that designs and manufactures controllers, sensors, valves and actuators to our own demanding specifications. All our products come from 50 years of experience as installers and reflect our experience and understanding of what is needed on site under demanding conditions.

Your Distributor

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