

Stand-Alone Controller

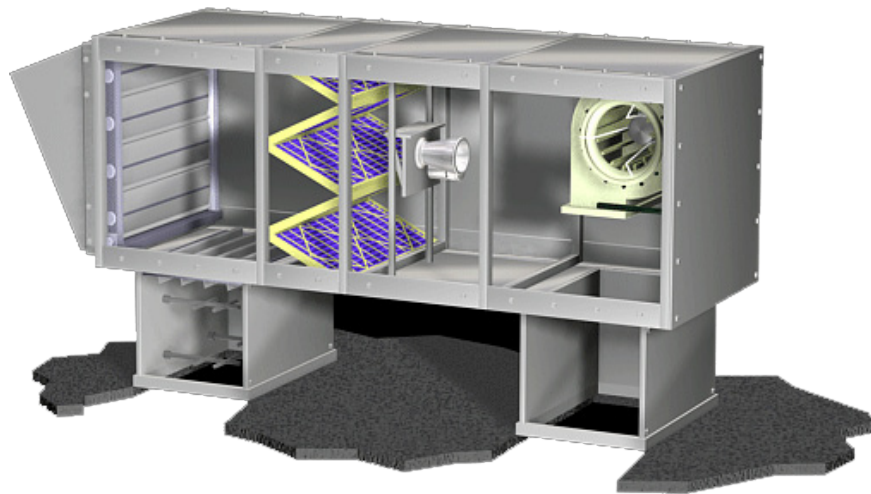
OEMCtrl's I/O Zone 8112 advanced controller delivers powerful control and communications features all in a compact, economical package. Highly flexible, yet easy-to-use programming tools allow customization for a wide variety of small equipment applications enabling OEMs to achieve optimum performance and energy efficiency. Fully capable of operating in a 100% stand-alone control mode, the I/O Zone 8112 can connect to a Building Automation System (BAS) using any of today's most popular protocols, such as BACnet, Modbus, N2, and LonWorks. The I/O Zone 8112 also supports communication to OEMCtrl's line of intelligent space sensors and keypad/display units.

Key Features and Benefits

- I/O point count:
 - Inputs: 5 binary, 6 analog
 - Outputs: 8 binary (relay), 2 analog outputs
- Built-in protocol support: BACnet MS/TP, Modbus RTU, or N2 communications (protocol and baud rate are DIP switch selectable)
- LonWorks optional plug-in communications boards
- On-board battery-backed real-time clock is standard, thus enabling full stand-alone scheduling capabilities, as well as historical trend data storage, and alarm event time-stamping.
- Custom-programmable using our powerful Eikon Logic Builder graphic programming tool. Eikon allows you to create graphic logic sequences for your application, which can be fully simulated off-line (with Eikon's simulation tool), and graphically viewable live on your equipment - the ultimate diagnostic tool.
- Local laptop computer access ports provided on both the I/O Zone 8112 and the intelligent OEMCtrl sensors, which enable full diagnostic and configuration capabilities.

Application




Whether it's heat pumps, fan coils, or small rooftop units, the I/O Zone family of controllers provides a lot of power in a small footprint. Now, even on small applications, you can have customized control sequences and with built in multi-protocol support; simplified integration into the BAS (Building Automation System), while staying competitive from a cost standpoint.

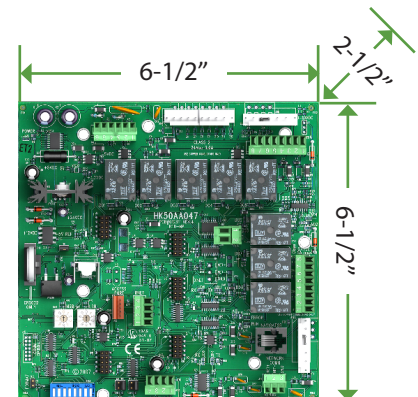


I/O Zone 8112

OEMCtrl®

Specifications

Power	24VAC \pm 10%, 50 to 60Hz, 20 VA power consumption, single Class 2 source only, 100 VA or less
Operating Range	-40 to 158°F (-40 to 70°C); 10 to 95% RH, non-condensing
Inputs	6 analog inputs 5 binary inputs
Outputs	2 analog output with 10 bit D/A resolution. 8 binary outputs: Relay contacts rated at 3A max @ 24VAC
Communication Ports	<p>Port 1: Jumper configurable for EIA-485 port for BACnet MS/TP, Modbus RTU, or N2 communications (protocol and baud rate are DIP switch selectable);</p> <p>Local Access port: For system start-up and troubleshooting using a PC or BACview (115.2 kbps)</p> <p>Rnet port: For connecting with BACview⁵, BACview⁶ or OEMCtrl room sensors.</p>
  	<p> LonWorks Option Card for connection to Free Topology LON networks (TP/FT-10 Channel)</p>
BACnet Support	Conforms to the Advanced Application Controller (B-AAC) Standard Device Profile as defined in BACnet 135-2001 Annex L
Battery	Battery CR123A has a life of 10 years with 720 hours of cumulative power outage
Protection	Built-in surge transient protection circuitry. Module protected by internal solid state Polyswitches on incoming power and network connections. Polyswitches do not need to be replaced as they will reset themselves once the condition that caused them to “trip” returns to normal.
Listed by	UL-873, FCC Part 15-Subpart B-Class A, CE EN50082-1997



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