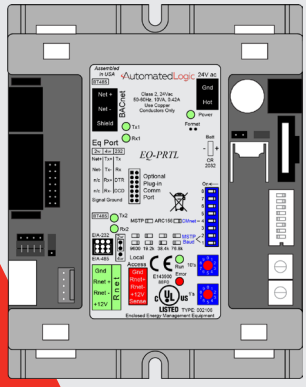
EQUIPMENT PORTAL

UNITARY GATEWAY



Automated Logic

GATEWAY FOR THE WEBCTRL® BUILDING AUTOMATION SYSTEM

Automated Logic's equipment portal sets a new standard for integrating third-party devices into the WebCTRL system. The equipment portal is a powerful gateway to a single piece of equipment /device using proprietary or open protocols such as Modbus® and LonWorks®. Support for BACnet over ARC156 kbps and MS/TP communications are standard.

KEY FEATURES AND BENEFITS

Application Features

- Serves as an economical field gateway to a single piece of equipment/device using an open or proprietary protocol (Note: maximum of 100 integration points per equipment portal)
- Built-in support for Automated Logic's line of touchscreen interfaces
- Built-in support for Automated Logic's line of ZS sensors provides the flexibility of remote sensing
- Flash memory makes for easy field upgrades over a network

Hardware Features

- Optional Lon plug-in card eliminates the need for the serial Lon talk adapter (SLTA) when integrating to Lon devices
- Graphically programmable via the EIKON® tool, the equipment portal is able to execute complex integration control strategies at the field level
- Battery backed real-time clock ensure full continuity of operation in the event of power failures and communication failure
- Non-volatile, battery-backed RAM stores application programs, trends, and other data if power is lost
- 16-bit microprocessor combined with ARC156 kbps communications offers ample horsepower and speed for equipment integration requirements

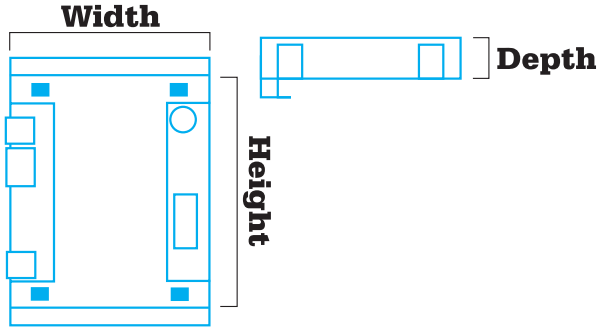
WebCTRL®

The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.

SPECIFICATIONS

Part #	EQ-PRTL Equipment Portal
BACnet Conformance	Conforms to the BACnet Advanced Application Controller (B-AAC) Standard Device Profile, as defined in ANSI/ASHRAE 135-2012 (BACnet) Annex L, Protocol Revision 9
Power	24 Vac +/- 10%, 50 - 60 Hz, 10 VA, single Class 2 source only 20 VA | 26 Vdc +/- 10%, 5 W
Communication	
BACnet Port	For communication with the controller network using ARC156 or MS/TP (9,600 bps - 76.8 kbps)
Equipment Port	One EIA232 or EIA-485 port for communication with third party devices and protocol at various baud rates.
Rnet Port	12 Vdc @ 200 mA supporting: - Up to 5 wireless and/or ZS sensors - freely mix ZS zone, ZS duct, ZS immersion and ZS outdoor sensors - 1 Equipment Touch or OptiPoint™ equipment interfaces
Plug-in Comm Port (optional)	14-pin port that supports a LonWorks® plug-in card
Local Access Port	For system start-up and troubleshooting
3rd Party Integration Points	100
Status Indicators	LED's indicate status of communications, running, errors, and power
Environmental Range	0 to 130°F (-17.8 to 54.4°C), 10–90% relative humidity, non-condensing. Must be installed within the building.
Physical	Rugged GE C2950 Cycoloy plastic
Memory	1 MB non-volatile battery-backed RAM, 1MB flash memory, 16-bit memory bus
Real Time Clock	Battery-backed, real-time clock keeps track of time in the event of a power failure
Compliance	**United States:** FCC compliant to Title CFR47, Part 15, Subpart B, Class A. UL Listed, File E143900; CCN PAZX, UL916, Energy Management Equipment; **AS/NZS:** RCM Mark, IEC 61000-6-3; **Canada:** UL Listed File E143900, CCN PAZX7, CAN/CSA C22.2 No. 205 Signal Equip., Industry Canada Compliant, ICES-003, Class A; CE Mark Compliant with 2014/30/EU, and RoHS Compliant: 2015/863/EU; **UKCA** Mark compliant with Electromagnetic Compatibility Regulations 2016 – Gov.UK and RoHS for Electrical and Electronic Equipment 2012, REACH compliant
Microprocessor	High speed 16-bit microprocessor
Battery	10-year Lithium CR2032 battery retains the following data for a maximum of 10,000 hours during power outages: time, control programs, editable properties, schedules, and trends
Protection	Built-in surge and transient protection for power and communications in compliance with EN61000-6-1
BT485 Connector	Attach a BT485 (not included) to a controller at the beginning and end of a network segment to add bias and to terminate a network segment

Figure 1: Physical Dimensions



	in.	cm
Width:	**4.0**	**10.16**
Height:	**5.0**	**12.7**
Weight:	**.56 lbs**	**0.25 kg**

Assembled in the United States

Automated Logic

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