BACnet Equipment Bridge — PL-BAC-EQB-XX



Product Description

The PL-BAC-EQB is an interface device which allows various HVAC equipment delivered with OEM BACnet communication cards to be integrated directly into a Prolon system.

Dual mode functionality allows the EQB to operate as either a master or follower device within a network.

As a master device, the EQB may have any Prolon follower devices – such as zone damper or FlexIO controllers – placed under its authority, perform math functions related to those devices, and share relevant information back to those followers.

Operating as a follower device, the EQB may be placed under the authority of any other Prolon master device to receive information such as math function values and occupancy status.

In either mode, the EQB can be configured for both “polling” (read only/manual-write) and “control” (automatic write) of any available BACnet points within a given piece of equipment.

Setup and configuration may be done either locally or remote using Prolon’s FREE Focus software and Cloud Communication Service.

Features

- Designed for HVAC equipment with BACnet communication cards
- Remote monitoring and configuration with FREE Prolon Focus software
- One or three BACnet devices supported (model dependent) *
- Configuration points (model dependent) *
- Polling points (model dependent) *
- Sequence control points (model dependent) *
- Discovery tool embedded to discover BACnet devices and points.
- Facilitates zoning system (VAV/VVT) management by evaluating weights and demands of zones using a choice of customized groups and calculation methods

Technical Specifications

SUPPLY	24 VAC ±10%, 50/60 Hz, Class 2
POWER	1.3 VA
INDICATION LIGHTS (LED)	Communication / Power / State of microprocessor
COMMUNICATION	BACnet MSTP, Modbus RTU (RS485) up to 127 nodes
CONNECTION	Removable screw-type terminal blocks (max 16 AWG)
WEIGHT	0.3 Lbs, (1.36 kg)
ENVIRONMENT	-4 to 122°F (-20°to 50°C) Non-condensing
CERTIFICATION	UL 916 Energy Management Equipment and CSA C22.2 No.205 Signal Equipment (Pending), FCC Part 15 subpart B Class B, ICES-003:2020

Model Specifications and Control Capabilities

PART NUMBER	SUPPORTED BACNET DEVICES	CONFIGURATION POINTS	POLLING POINTS	SEQUENCE CONTROL POINTS
* PL-BAC-EQB-01	1	16	16	4
* PL-BAC-EQB-03	3	32	32	8

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