LCBMS



A Lightcloud network device that interfaces with other building systems, such as HVAC and window shades, using BACnet or ModBus, via RJ45 (ethernet) and RS485 serial connections.

Color: White

Weight: 0.0 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Lightcloud Integrator

Integrator:
The Integrator is a BACnet compliant device and provides the required protocol to communicate with the BACnet workstation. The Integrator communicates with the Lightcloud Gateway to allow Lightcloud to interact with building management systems.

The BACnet workstation is capable of displaying the status of, or setting the state of, all BACnet compliant devices connected to the network. Communication between the Lightcloud Gateway and the BACnet workstation is through the Integrator. The Integrator maintains internal memory regions for the Lightcloud Gateway to write individual device status and regions where commands initiated from the BACnet workstation are held for the Lightcloud Gateway. The memory area used for status, commands, device names or device grouping is defined in a configuration file. The configuration file is formatted as a CSV (Comma Separated Value) file. This file is unique to every installation and changes when a device is added or removed.

Approvals

BACnet Testing Labs (BTL):
B-ASC Ver. 12

LonMark 3.4 Certified:
ProtoNode Series

TUV Approved:
UL 916 EN 60950-1
EN 50491-3 and CSA C22-2 standards

DNP 3.0 Conformance Tested:

CE & FCC Approved:

Compliance

RoHS Compliant:
Mercury and UV free. RoHS-compliant components.

Electrical

Installation:
All Lightcloud components should be installed by a licensed electrician in accordance with local codes.

Power:
9-30 VDC or 12-24 VAC
(RS-422 = 15-30 VDC or 12-24 VAC)

Electrical Ratings:
FPC-N34 @ 12V = 240 mA
FPC-N35 @ 12V = 250 mA

M-Bus:
Slave: 500 mA @12V
Master (1 Slave): 580 mA @ 12V
Master (64 Slave): 980 mA @ 12V

Serial Port Isolation:
1500v galvanic isolation

Mechanical

Temperature:
-40°F - 167°F (-40°C - 75°C)

Humidity:
50-90% RH, non-condensing

Size:
3.2" x 4.5" x 1.6" (W x H x D body)

Other

Warranty:
10 Year full hardware warranty with 100% repair or replacement coverage for all properly installed devices. See Lightcloud Warranty Terms.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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Technical Specifications (continued)

BACnet Support

BACnet Support:

Alarm & Event notification read properties multiples BACnet COV's, Trend Logging, BBMD and optional BACnet Router support. Support up to 10,000 BACnet Objects DIP switches are for setting MAC Address, Node-ID, Baud Rate on the RS-485 Field protocol. One Integrator is required for each Lightcloud Gateway to be used with BACnet.

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