GE
Lighting Controls

LightSweep™

Modular Lighting Control System
CLCBNET

Description

The CLCBNET controller expands the features of a stand-alone Lighting Control System to a fully programmable with computer front-end system, with capability for seamless integration to EMS using the BACnet protocol.

It is a fully programmable native BACnet controller, supporting the BACnet MS/TP, BACnet over Ethernet and BACnet IP.

The CLCBNET maps the lighting system's objects: relays, analog I/O's (dimming channels, photocell inputs) and provides control and schedule functionality.

Features

- Controls up to 99 CAN devices
- Dynamically learns all devices on the CAN bus and displays the object configuration.
- Allows for remote programming and monitoring via Ethernet or TCP/IP
- Push-button switch for automatic program transfer to CAN devices
- Custom programming
- Event logging and trending,, alarming

Application

CLCBNET is used for applications requiring computer front-end for programming and monitoring, integration to EMS using the BACnet protocol, web interface for lighting control system. campus applications with remote buildings or multi-site companies.

Ordering

Order the controller and desired options with the following product numbers:
CLCBNET - BACnet Interface Module

Specifications

Communication Ports
CAN lighting network
- Communication speed 40 kbps
- Maximum 99 nodes per CAN segment

Ethernet
- 3-Port 10/100 Switch
- BACnet IP, BACnet Ethernet

USB – 2 USB ports

Inputs
Two push-buttons (Reset, Transfer)

Technology
ARM Processor with internal
Flash and RAM
Real-time clock
Ultra capacitor backup for RTC

Device Address
BACnet - set via software
CAN – set to 100

Connectors
CAN Network 3-pin terminal
Ethernet – 3-port RJ45 connector
Power: 2-pin terminal
BACnet RS485: 3-pin terminal

Wiring Class
Class 2

Power
24 VAC 50/60 Hz, 12VA
10-28 VDC, 4.2W

Ambient
32° to 131°F (0° to 55°C),
10-90% RH (non-condensing)

Dimensions
5"x5.4"x2.6"

Compliance
FCC

Approvals/Standards
cUL Listed - Energy Management

imagination at work

For additional product and application information,
please visit: www.gelightingcontrols.com