

GE Lighting Controller DLC-G1212

Description

The DLC-G1212 is a fully programmable, Native BACnet™ Advanced Application Controller that communicates on a BACnet MS/TP RS-485 LAN. This controller is designed for lighting applications and has 12 GE lighting relay outputs per controller. The controller also supports up to 12 Delta BACstats connected on its LINKnet subnetwork.



Application

The DLC-G1212 is suitable for controlling up to 12 lighting zones, switching a maximum of 48 GE lighting relays.

The controller can be mounted in various GE relay enclosures for both new and retrofit construction projects.

The DLC-G1212 is fully programmable: GCL+ programs and BACnet objects can be created and or modified for specific lighting applications.

Features

- Native BACnet™ firmware
- BACnet MS/TP communication
- Supports switching a maximum of 48 RR7P or RR9P GE Lighting Relays (4 parallel relays per output) per controller
- Supports a Subnet of up to 12 BACstats (DNS-14/24)
- Supports a Master Override Switch with built-in sequencing
- Fully programmable in GCL+
- Application database can be loaded over the network
- Controller firmware can be flash loaded over the network
- Easy-to-mount housing
- External binary inputs for motion detectors

Specifications

BACnet Device Profile

BACnet Advanced Application Controller (B-AAC)

Inputs

- 12 external binary inputs with LED status indication
- 12 internal inputs for relay status built into relay connector

Outputs

- 12 GE lighting outputs
- RR7P 3-wire relays (control only, no status)
- RR9P 5-wire relays (control and status, including LED indication)

Relay Switches

- 12 terminals for wiring local GE switches directly to relay output

Sweeper Ports

- Sweeper input port master override or sweeper input port with command sequencer
- Sweeper output port with LED status indication, which connects to another lighting controller's sweeper input port to continue the sweep sequence

Communications Ports

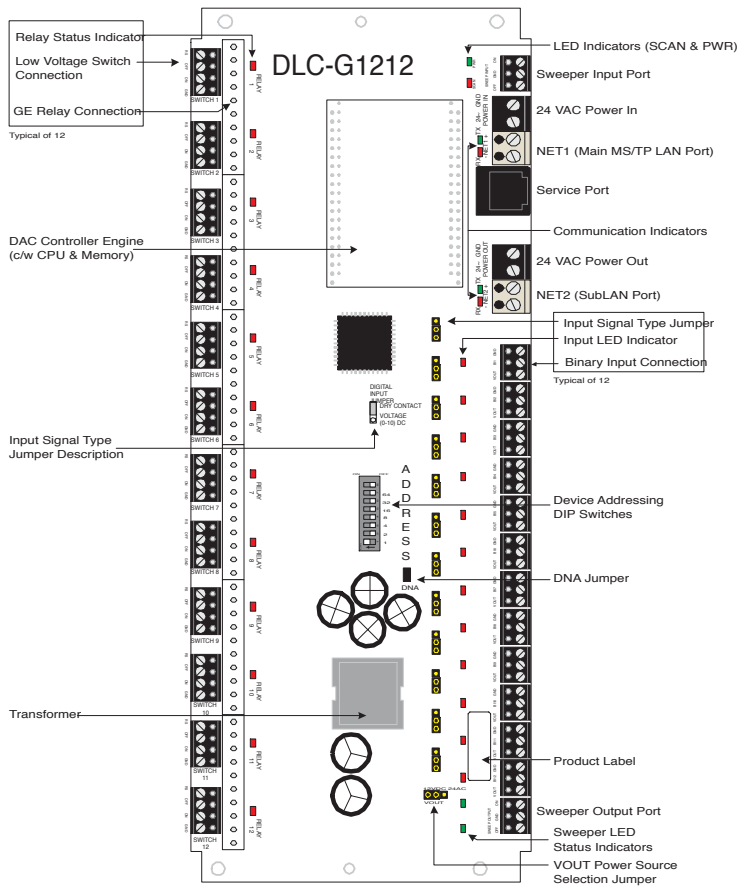
Main LAN (NET1) with LED status indication
BACnet MS/TP @ 9600, 19200, 38400, 76800 bps (default) (maximum of 99 devices per BACnet MS/TP segment)

SubLAN (NET2) with LED status indication
Delta LINKnet @ 76800 bps (maximum 12 network sensors on LINKnet)

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Lighting

GE Lighting Controller DLC-G1212: Board Layout Diagram



Specifications (Continued)

Technology

- 32-bit processor
- 1 MB (8 megabit) Flash memory
- 319 KB SRAM (database memory)
- LED status indication

Device Address

Set via DIP switch and jumpers, or software setup

Connectors

Network power inputs: removable screw-type terminal connectors

Relays: removable MTA156 AMP connectors

Wiring Class

Class 2

Power

- 24 VAC
- 50 VA (including GE relays)

Ambient

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

Dimensions

- 3.94 x 11.51 x 1.81 in.
- (10.0 x 29.2 x 4.6 cm) with housing

1.18 lb. (540 g) with housing

Approvals/Standards

- UL 916 Listed
- CE
- FCC Class B
- BTL Listed

Accessories

475000–475032—Relay Capacity GE Lighting Panels: 12, 24 and 48 (Delta Peripherals Catalog)

475100 RR9P—Isolated pilot contact 5-wire relay with 5-pin connector

475101 RR7P—Standard 3-wire relay with 5-pin connector

Ordering

Order the DLC-G1212 according to the following product numbers:

DLC-G1212

DLC-G1212-V2 (V2 Micro Firmware*)

*Note: Not all features described in this document are available when this option is selected.