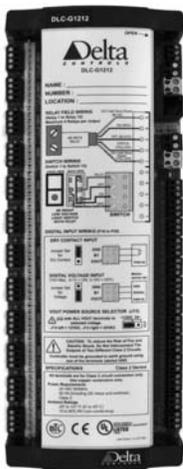# GE Lighting Controller
DLC-G1212

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

—Supports Modbus capability via flash loading in the field

—Supports flash loading Modbus upgrades via hardware key

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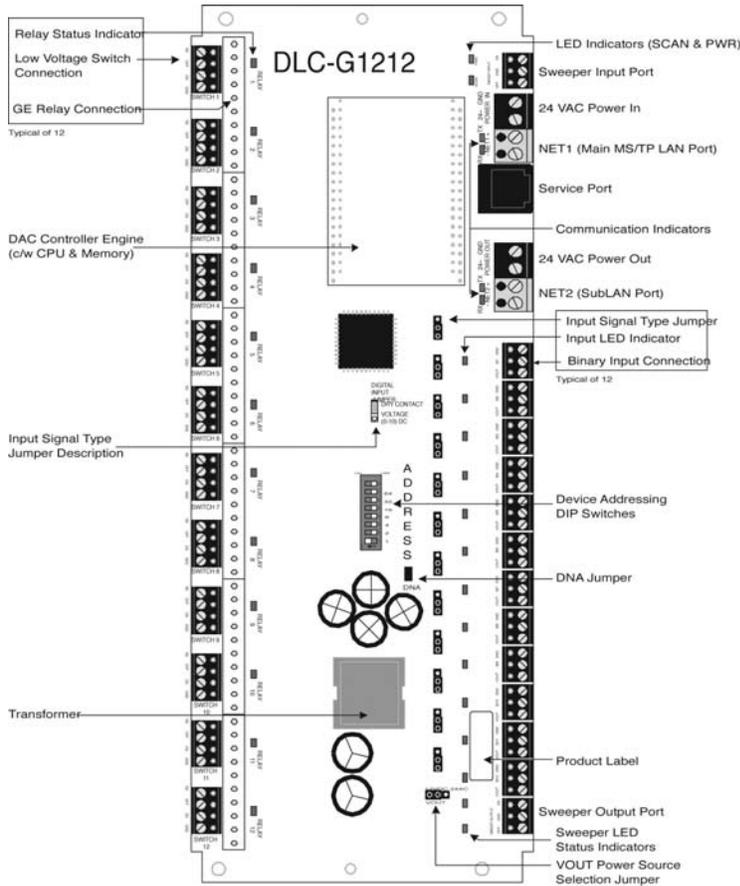
Communications Ports
Main LAN (NET1) with LED status indication BACnet MS/TP @ 9600, 19200, 38400, 76800 bps (default) (maximum of 99 devices per BACnet MS/TP segment)

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

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CONTROLS

GE Lighting Controller
DLC-G1212: Board Layout Diagram

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.

Specifications (Continued)

Technology
32-bit processor

2 MB (16 megabit) Flash memory

319 KB SRAM (database memory)

LED indication of CPU and SCAN status

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

Compliance
CE

FCC Class B

Listings
UL 916 Listed

BTL Listed

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