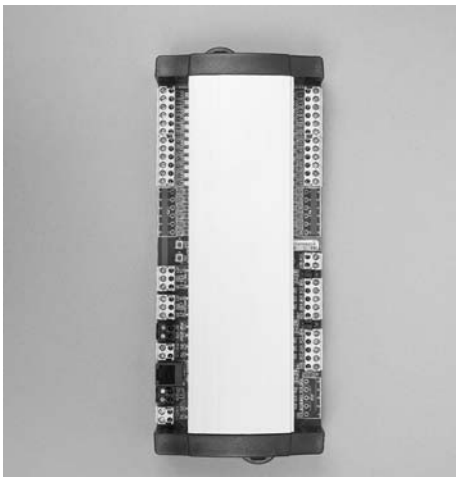
Douglas Lighting Controller
DLC-D312/624/936

Description
The DLC-D312/624/936 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 12-36 Douglas lighting relay outputs per controller. The controller also supports up to 12 Delta BACstats connected on its LINKnet subnetwork.



Application
The DLC-D312/624/936 is suitable for controlling up to 36 lighting zones, switching a maximum of 144 Douglas lighting relays.

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

The DLC-D312/624/936 is fully programmable: GCL+ programs and BACnet objects can be created and or modified for specific lighting applications.

Features
—Native BACnet™ MS/TP firmware

—Supports switching a maximum of 4 Douglas relays per relay output

—Software monitoring of switch activity

—Supports a subnet of up to 12 BACstats

—3, 6 or 9 Douglas relay switches or dry contact master inputs

—1 Analog input

—Individual output status indication via LED

—Supports a master override switch with built-in sequencing

—Fully programmable in GCL+

—Application database can be flash loaded over the network

—Controller firmware can be flash loaded over the network

—Easy-to-mount housing

Specifications

BACnet Device Profile
BACnet Advanced Application Controller (B-AAC)

Inputs
3, 6 or 9 Binary inputs (Douglas 2-wire relay switch or dry contact inputs with status feedback & LED status indication)

1 Analog input, with LED status indication

Outputs
12, 24 or 36 Douglas lighting relays

Outputs (max 4 relays per output)

Uses Douglas™ WR-61xx style relays

Sweeper Ports
Sweeper input port with LED status indication master override or sweeper input port, with command sequencer

Sweeper output port with LED status indication connects to another lighting controller's sweeper input port to continue the sweep sequence

On-board Overrides
ON scan button provides ALL ON override control

OFF scan button provides ALL OFF override control

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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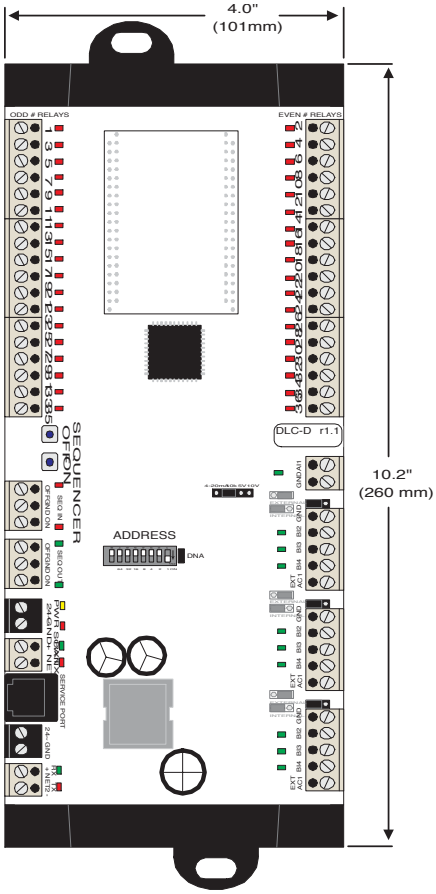
DLC-D312/624/936: Board Layout Diagram



Ordering

Order the DLC-D312/624/936 with the desired options according to the following product numbers:

DLC-312—3 Binary Inputs & 12 Relay Outputs

DLC-624—6 Binary Inputs & 24 Relay Outputs

DLC-936—9 Binary Inputs & 36 Relay Outputs

-V2 Append to specify V2 Micro Firmware*

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

Specifications (Continued)

Connectors
Removable screw-type terminal connectors

Technology
32-bit Processor

1MB (8 megabit) Flash memory

319 KB SRAM memory

LED status indication

Device Address
Set via DIP switch and jumpers or software setup

Wiring Class
Class 2

Power
24 VAC

50 VA (including Douglas relays and switches, 4 per output)

Ambient
32° to 131°F (0° to 55°C)

10 to 90% RH (non-condensing)

Dimensions
11.05 x 4 x 1.9 in. (28.9 x 10 x 4.8 cm) with housing

1.9 lb. (540 g) with housing

Approvals/Standards
UL 916

C-UL Listed

CE

FCC

BTL Listed