

1-10V Dimming Module

DDM-880

Description

Delta Controls' DDM-880 dimming module are specifically designed for Daylighting applications using dimmable ballasts. These dimming modules connect to Delta's BACnet Controllers over Delta's LINKnet network.

Each of the device's eight outputs is capable of controlling up to fifty 1-10V dimming ballasts. Each output has an associated photocell input with a calibration potentiometer to adjust sensitivity of the input which the controller uses in a built-in Proportional-Integral (PI) loop to smoothly adjust the lighting levels to the desired setpoint.



Features

- Built-in PI control loop
- Communicating on LINKnet
- Easy-to-mount housing
- Calibration potentiometer for photocell inputs

Application

The DDM-880 provides up to eight channels of simple distributed daylighting control per module reducing field wiring by being able to locate the module close to the zones being controlled.

Ordering

Order the controller and desired options with the following product numbers:
DDM-880 –Delta Dimming Module with (8) Photocell Inputs, (8) 1-10V outputs.

Specifications

Inputs

8 x Analog Photocell Inputs – 10 bit
Calibration potentiometer

Outputs

8 x 1-10V Analog Outputs
25mA current sinking each

Technology

8-bit Processor with internal A/D,
Flash and RAM

Communications Port

LINKnet connection
Delta LINKnet @76,800 bps
RS-485

Device Address

Set via dip switch
Address range: 1 to 12

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2

Power

24 VAC
15 VA

Ambient

-40° to 140°F (-40° to 60°C), with enclosure

10 - 90% RH (non-condensing)
Internal electronics rated from -40° to 85°

Dimensions

7 5/8 x 4.0 x 1 7/8 in. (19.2 x 10 x 4.8 cm)
with housing
0.55 lb. (250g) with housing

Listings

UL916 Listed

Subject to change without notice.