

# LightSweep™

## Modular Lighting Control System CLCDIM4



### Description

The **CLCDIM4** dimming module controls four dimming channels. Through the color-coded spring terminals, the device provides 0-10V dimming controlled by a photocell for daylighting operations, as well as advanced scene control via devices in the CLC network.

The module can be powered via the CLC network or can double as a power injector distributing power to the panel's relay modules and the lighting network, providing status indication for network power monitoring.

### Features

- Connects up to 4 photocell inputs
- Connects up to 4 0-10V dimming outputs
- Color-coded spring-type terminals for photocell and ballast
- Closed-loop daylighting control build into channel
- LED output indication of level
- Jumper selectable for network or transformer power
- Communicating on CAN lighting network.

### Application

The CLCDIM4 provides daylighting and analog scene control to the CLC system. The channels daylighting setpoint, or analog outputs can be controlled using switches in the CLC system so that operation is coordinated with On/Off relay control of the circuits.

Photocell control provides closed loop control for indoor type sensors, and open loop control for outdoor, atrium or skylight sensors. Closed loop will allow setpoint control to a given footcandle value, while open loop control will linearly vary the output based on a specified range of the photocell.

### Ordering

Order the controller and desired options with the following product numbers:  
**CLCDIM4** - 4 Channel Dimming Module

### Specifications

#### Inputs/Outputs

4 photocell inputs/  
4 - 0-10v outputs - up to 50 ballast per output (25mA sink per output)

#### Technology

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

#### Communications Port

CAN Network @40k bps

#### Device Address

Set via rotary dials  
Address range: 1 to 99

#### Connectors

Power In: 5-pin MTA  
Inputs: spring-clip terminal connectors  
Network/Power: (2) 4-pin MTA, (2) RJ45

#### Wiring Class

Class 2

#### Power

24 VAC  
13 VA

#### Ambient

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

#### Dimensions

5 1/2 x 4 3/4 x 1 1/8 in.  
(14 x 12.1 x 2.9 cm) with housing  
0.34 lb. (155g) with housing

#### Compliance

CE  
FCC

#### Approvals/Standards

cUL Listed - Energy Management