



## ALC3-BCM-12 Ballast Control Module

### Output Select Buttons

During normal operation, pressing button toggles output to 10V or 0V.

When programming (non-dim or patch mode), pressing button selects or de-selects output.

### Output Indicator LEDs

LED is on when slider controlling output is at least 20% during normal operation.

LED is also on when output is selected during non-dim or patch mode.

### Power

24VAC or 24VDC +/-10%.

### AC/DC Jumper

Remove if using VAC.

### Outputs

12 outputs (6 per side), designed to control dimmable ballasts that use 0-10V control.

Maximum of 50 ballasts can be controlled per output. Connections are ballast violet wire = +ve, ballast grey wire = -ve.

Fade rates and up to 128 presets can be stored for each output.

### Data Signal

Standard twisted pair, unshielded 16AWG Belden #85102 or equivalent.

### Patch Mode Indicator LED

LED is on when Patch Mode is initiated at a control station. Select an output to be under control of the selected slider by toggling its Output Select Button.

### NonDim Mode Select Button

Press and hold to start NonDim mode. Indicator LED goes on when mode is active. Select outputs to be non-dim (ON/OFF only) by toggling their Output Select Button. Press button again to exit mode.

### Service Button

Press and hold to check power. Indicator LED goes on if unit has power.

### Node ID Select

Assign unit an ID by turning center screw with flat screwdriver. (This is usually done at the factory.)

Up to 16 Dimmer Control, Ballast Control and/or Relay Control Modules can exist in a Dilor Network. Each must have a different ID, unless they are operating the same circuit in parallel.

## DESCRIPTION

- The ALC3-BCM-12 is designed to control electronic dimming ballasts that utilize the 0-10V control method. This includes all types of ballasts that use the same control method as the Phillips/Advance Mark VII dimming ballast.
- There are 12 outputs available. Each can be dimmed to a unique level and is independent of the other outputs.
- Up to 50 ballasts can be connected to an output.
- Up to 128 presets, as well as the fade rates, can be stored for each output.
- The ALC3-BCM-12 mounts on DIN rail in the Dimming Control Electronics section of an ALD Dimmer Panel and receives 24VDC power from the ALD-PSR Power Supply and the data line signal from the ALC3-2800-750 Link Power Interface. As well, it can be mounted in a relay panel and receive power from the panel's 24VAC transformer.

## SPECIFICATION

### Power

- 24VDC or 24VAC, 50ma.
- A jumper is situated next to the power terminal for selecting AC or DC voltage.
- CAUTION: be sure jumper is correctly set for voltage type being applied. Be sure to remove the jumper if AC power will be used.

### Data Signal

- Standard FTT-10 (78kpbs) type.

### Outputs

- 12 outputs suitable for electronic dimming ballasts that used the 0-10V control method.
- A maximum of 50 ballasts can connect to an output.
- Connections are: ballast violet wire = +ve, ballast grey wire = -ve.

### Environment

- Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity.
- Ambient operating temperature: 0°F to +120°F (-15°C to +50°C).

## DIMENSIONS & MOUNTING

