

ALC3-DCM-12 Dimming Control Module

DESCRIPTION

- The ALC3-DCM-12 is designed to control ALD dimmer modules within an ALD dimming panel.
- There are 12 outputs available. Each can be dimmed to a unique level and each is independent of the other outputs.
- Outputs can be single phase or three-phase.
- Up to 128 presets, as well as the fade rates, can be stored for each output.
- The ALC3-DCM-12 is designed to mount on DIN rail in the Dimming Control Electronics section of an ALD Dimmer Panel and to receive phase-corrected power from the ALD-PSR Power Supply and the data line signal from the ALC3-2800-750 ActiveLink Power interface.

Outputs

0-5VDC power for dimming modules.

Six 4-pin output terminals, each providing two 2-pin output signals.

Output select button and indicator LED adjacent to output pin pair.

Connect to dimming module(s) with 4-pin

SPECIFICATION

Power

- Phase-synchronized 24VDC.
- Supplied from ALD-PSR module via a 12-pin harness.

Data Signal

- Standard FTT-10 (78kbds) type.

Outputs

- Twelve 0-5V outputs suitable for ALD dimmer modules.
- Outputs can be supplied as three-phase or one-phase.
- Outputs connect, via 4-pin harness to dimmer module's solid state relay terminals.

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).

Output Select Buttons

During normal operation, pressing button toggles output to 5V or 0V.

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

Output Indicator LEDs

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

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

To other ALC-DCM

Provides ALD-PSR power signal to another ALC-DCM module, if used.

Connected with 12-pin wire harness.

Power

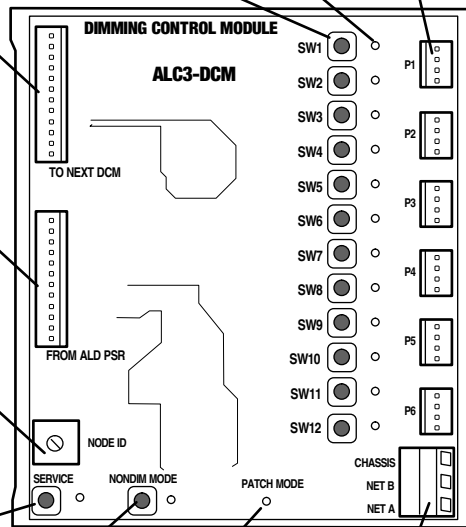
Power and phase correction signals from ALD-PSR power supply.

Connected with 12-pin wire harness.

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.



Service Button

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

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.

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.

Data Signal

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

DIMENSIONS & MOUNTING

