DLS-4500-120 - Forward Phase Dimmer (4x 500W @ 120)

Project Name: _____

Part Numbers: _____ Date: _____

Features

- Designed for Architectural dimming from standard 0-10V wall dimmers or controllers
- Use with Dialog WDB-3314

Typical Applications: Surface mount the dimmer pack in a well-ventilated area where the ambient temperature does not exceed 104° F for full load operation. Allow 2" of side clearance for proper air circulation and servicing. Installation clearance shall meet local and/or NEC code requirements. Enclosures may be attached to the wall or other mounting surface by holes in the heat sink angles. Refer to the drawings below (FIGURE 3) for the correct dimensions. Conduit shall be pulled to the top of the dimmer packs.

PART NUMBER	DESCRIPTION
DLS-4500-120	• 4 channel x 500 W Dimmer or switch pack • Heavy-Duty Outputs, Dims 4 x 4AMP loads (4 dimmers x 500W @120VAC). • Active DC component protection for inductive loads. • Suitable for inductive Loads at Full Rating • All Dimmer outputs must be fed from the same circuit (See Figure 1) • 0-10V analog lighting controllers compatible

Figure 1 - Detail

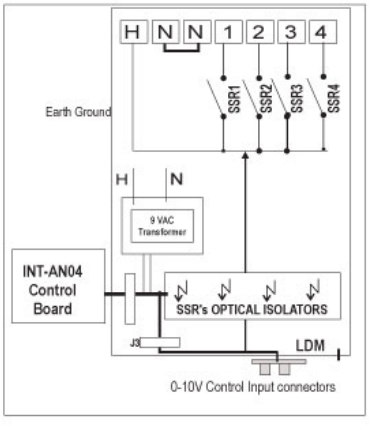


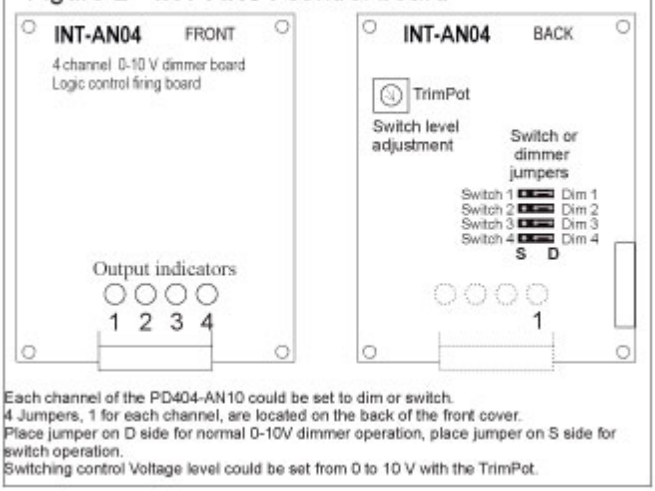
Table 1 - Terminals Definition

NAME	DESCRIPTION
1	Output Of Solid-State Relay #1
2	Output Of Solid-State Relay #2
3	Output Of Solid-State Relay #3
4	Output Of Solid-State Relay #4
H	Hot Line Feed For Relays 1 , 2 , 3 & 4.
N	Neutral Bus Connections.

Table 2 - Absolute Maximum Electrical Ratings

Electrical Characteristic	Terminal	Maximum
Relay Load Current	1 to 4	4 Amps.
Input Current	H	20 Amps.
Input Voltage	H	120 VAC

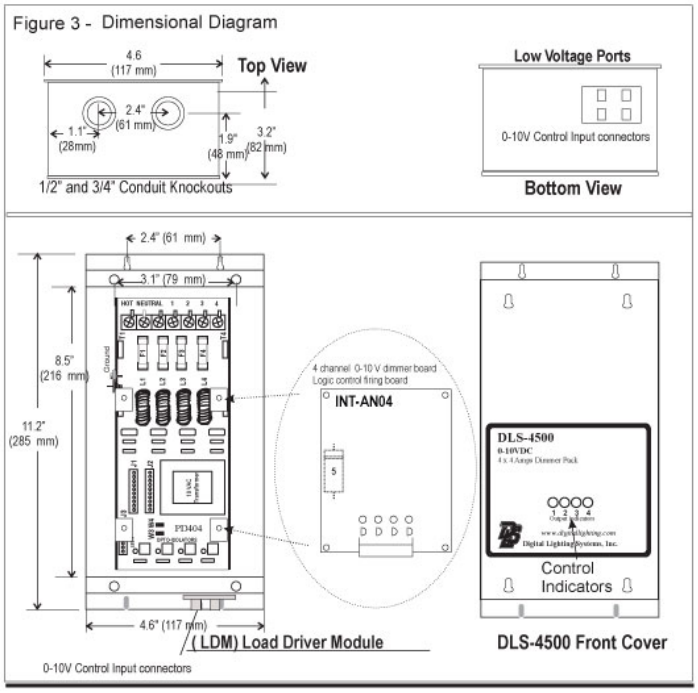
Figure 2 - **INT-AN04** control board



Each channel of the PD404-AN10 could be set to dim or switch.
4 Jumpers, 1 for each channel, are located on the back of the front cover.
Place jumper on D side for normal 0-10V dimmer operation, place jumper on S side for switch operation.
Switching control Voltage level could be set from 0 to 10 V with the TrimPot.

Dimensions

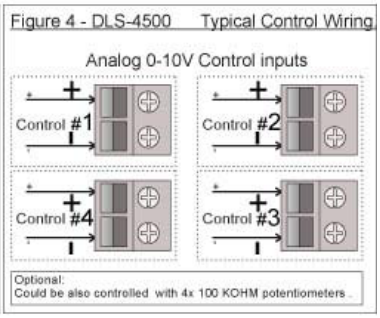
Inches [mm]

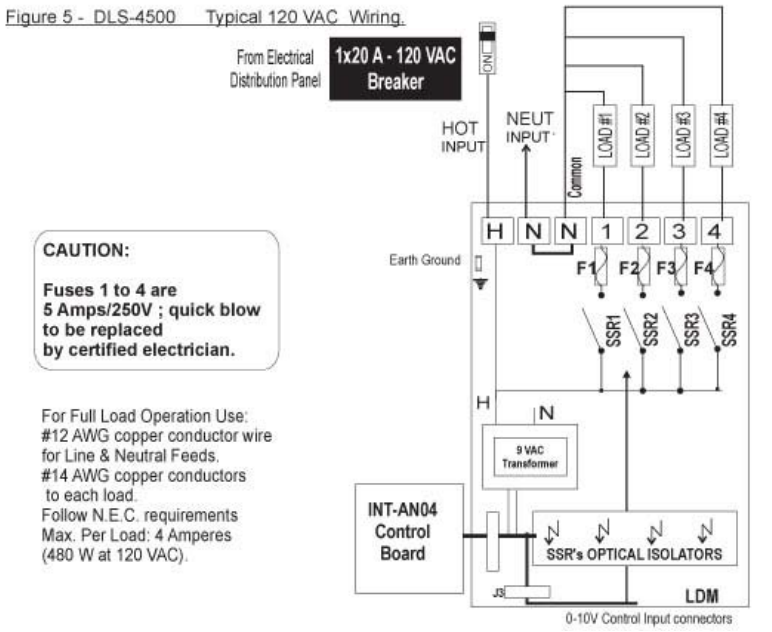


DLS-4500 General Wiring Instructions

Wiring Notes

- **DO NOT EXCEED 480 W (4 Amps.) per each dimmer @ 120VAC.**
- All wiring From control to dimmers is low voltage (NEMA Class 2)
- **DLS-4500** dimmer packs may be fed by one 20 A (maximum) branch circuit and may have up to Four separately dimmed loads.
- **CAUTION: DO NOT** attempt to parallel outputs to increase capacity.
- Installations must conform to local and/or NEC code requirements.
- Each load must have its own Neutral wire for full load operation.
- All line voltage wires must have copper conductors of adequate Gauge with 90° C wire insulation.
- POWER EACH LOAD DIRECTLY BEFORE CONNECTING IT TO THE **DLS-4500** TO ENSURE PROPER WIRING.





Technical Details

FUNCTIONALITY	• 4 Jumpers for Dim or Switch
INPUT VOLTAGE	• 120VAC
APPROVALS	• Conforms to UL 916 Standard
ENVIRONMENT	• Compact Size, 11.25" H x 4.5" W x 3.75" D • Wall-Mount aluminum enclosure • Up to 104°F Operating Temperature
WARRANTY	• Standard 5-year