

8 Channel DMX512 double gang Wall Box Control Panel

**INTRODUCTION**

The **COMPACT-8D** is an 8-channel **DMX512** dimmer control panel. It is designed to mount in a double-gang masonry box and is also available in a table top aluminum enclosure. Each of eight channels has a pair of control buttons, a **RAISE** and a **LOWER**, to adjust its **DMX512** value. The **COMPACT-8D** is one of the smallest and most unique 8-channel **DMX512** control panels in the industry. Requires the same wall space as a single standard heavy-duty wall box dimmer. (See masonry box dimensions on page 2.)

All **COMPACT Series** controllers are ideal for controlling the emerging new **DMX512** compatible Fluorescent ballasts and any DMX512 compatible dimmer or other DMX512 product on the market. DLS recommends its own line of DMX Dimmers (**PD408-DMX's**)..

**GENERAL FEATURES**

- Economical.
- Compact wall mount panels.
- 8-Channel DMX512 logic.
- Channel LED indicators.
- Simple push-button operation.
- Non-volatile memory storage of levels.

**APPLICATIONS**

Office Buildings, Hotels, Conference Rooms, Houses Of Worship, Schools and Universities, Museums and Art Galleries, Banquet Halls, Restaurants.

**Physical and Electrical Specifications**

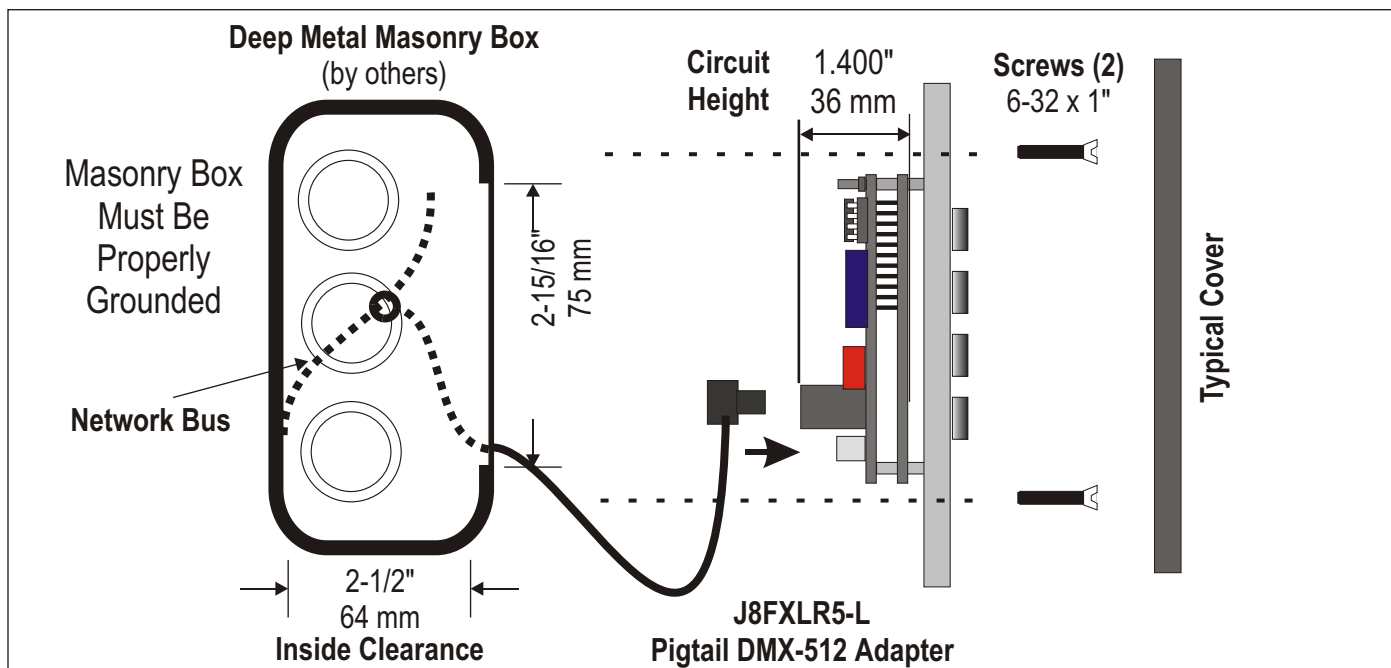
Back Plate:	Metal Construction.
Dimensions:	See Table Below.
Power:	Max. 80 mA at 10 VAC-50/60 Hz.
Data Output:	Rs485 Compliant.
Output Drive:	<b>256 1/8 DMX Loads.</b>
Data Format:	Standard DMX-512 Protocol.
Data Retention:	10 years, no batteries required.
ESD Protection:	15 KV on data input and output.

**DIMMER PACKS**

The **COMPACT-8D** requires an external dimmer pack and a DMX cable. Any DMX-512 compatible dimmer pack may be used. Digital Lighting Systems, Inc. manufactures the **PD408-DMX** high quality, low cost, DMX-512 dimmer packs. It can drive four 960 Watt 120 VAC loads at 50 and 60Hz. 12VAC, 24VAC and 220 VAC versions are available. Contact factory for more information.

MODEL	WIDTH	HEIGHT	DEPTH	GANG
COMPACT-8D	4.600" 117 mm	4.600" 117 mm	1.650" 042 mm	Double
COMPACT-8D -AE	4.600" 117 mm	4.600" 117 mm	2.500" 065 mm	Double

DEPTH (D) includes circuit board with components



**Mounting requirements**

- The **COMPACT-8D** mounts in double-gang deep masonry box or may be ordered in a table top aluminum enclosure. The Female XLR-5 connector comes mounted on the side of the enclosure.
- 2 gang masonry boxes must have a minimum depth of 2-1/2" and a minimum inside height of 2-15/16" to allow clearance for printed circuit board. (See above illustration.)
- Use Grounded metal boxes only.
- Refer to the **COMPACT-8D** User's Manual or consult factory for more details.

**Wiring Notes**

- Use Industry Standard DMX-512 shielded twisted pair cable to connect the **Compact 8D** panel and dimmer packs (NEMA Class2)
- Do not run DMX cable in the same conduit with non-class 2 circuits.
- The Panel is supplied with an external low voltage wall adapter. 9-10VAC 1A
- Installation must conform to local and/or NEC code requirements.

**ORDERING INFORMATION**

**COMPACT-8D:** 8-Channel Panel, 2-G size.  
**COMPACT- 8D-AE:** With Aluminum Table Top Enclosure.  
**J8FXLR5-L:** DMX-512 XLR and 9VAC Adapter Pigtail. (L= number of feet).

**Typical OPTIMA Installation**

