

Z-MAX™ Digital Switches

DESCRIPTION:

The Z-MAX Digital Switches are 100% digital, using the Luma-Net protocol and are specifically designed for use with Z-MAX Lighting Control Relay Cabinets. They connect using the same wire and connectors as other Luma-Net products (D4200, D8000) and can be ordered from one button to 10 buttons per gang mounting in a standard deep switch box.

SPECIFICATIONS:

GENERAL

- 1-10 buttons
- Status LED for each button provides true relay status
- Matching screwless wallplate
- Install up to 127 digital switches and cabinets on a sub-network
- Switches can be programmed for ON, OFF, ON/OFF, Groups, or Presets/Scenes

Z-MAX DIGITAL SWITCHES WORK WITH:

- Z-MAX Networked Relay Cabinets

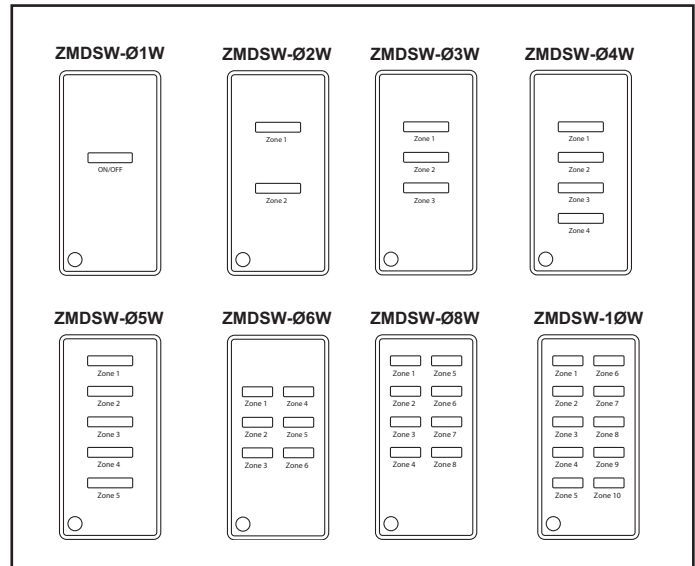
POWER

- Input power: 24 VDC
- Consumption:

Station	Unit Load Consumption @ 24Vdc 1 Unit Load = 25mA
1 Button	0.6
2 Button	0.8
3 Button	1.0
4 Button	1.1
5 Button	1.3
6 Button	1.0
8 Button	1.1
10 Button	1.3

WIRING:

- Wires to Z-MAX cabinet using Luma-Net standard wiring scheme
- Accepts 6 Pin Phoenix connector
- Daisy chain wiring scheme required unless Luma-Net hub is used



SETUP and PROGRAMMING:

- Set address on switch and install
- Remainder of the setup performed at the Z-MAX cabinet

PHYSICAL DIMENSIONS:

- 4 5/16" h x 1 5/8" w x 1 3/4" d
- Use 2 1/4" Deep switch box

SWITCH PLATE

- Decora

CUSTOM LABELING

- Custom Labeling is available from the factory
- Custom Labeling kits are available for use in the field

ENVIRONMENTAL

- 32-104°F (0-40°C) relative humidity less than 90% non-condensing.

LEVITON. SPECIFICATION SUBMITTAL

JOB NAME: <input type="text"/>	CATALOG NUMBERS: <input type="text"/>	
JOB NUMBER: <input type="text"/>	<input type="text"/>	<input type="text"/>

Product Specifications

Z-MAX Digital Switches

CATALOG NUMBER GUIDE

①
ZMDSW - ② ③

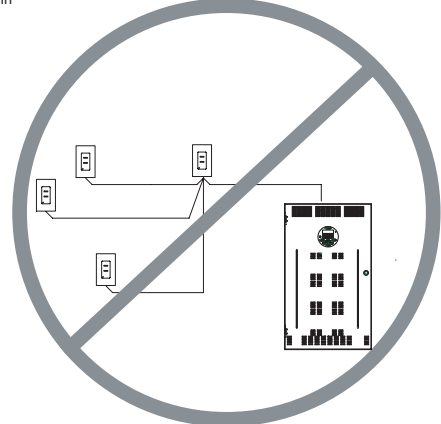
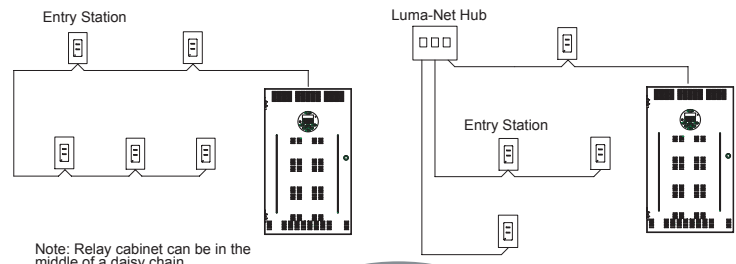
① Z-MAX Digital Switch

② Number of Buttons

01	02
03	04
05	06
08	10

③ Color

W = White



Wallplate Ordering Guide:

Z-MAX Digital Switches fit a standard Decora opening, and can be used with the following standard Leviton wallplate series:

- | | |
|-----------|---|
| 803xx | Decora Plus Screwless wallplates |
| 804xx | Decora plastic and metal wallplates - Standard Size |
| 804xx-Nxx | Decora nylon wallplate - Standard Size |
| PJ26x | Decora nylon wallplates - Midway size |
| 806xx | Decora plastic wallplate - Midway Size |
| S026x | Oversized metal wallplate |

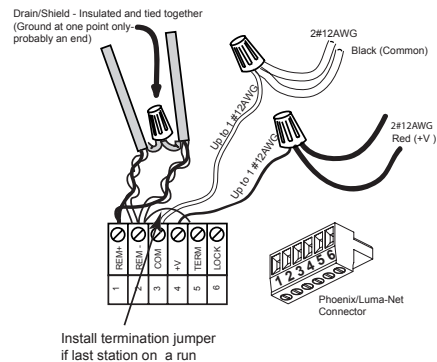
Browse the Leviton website for more wallplate options

LUMA-NET® III

- Must be daisy chained, station to station.
- For Star configurations use a Luma-Net hub, LHUB8-000.
- Must be less than 2000 feet (600m)
- Must be run separately from line (mains) voltage
- The cable should not pass near any source of electrical noise such as fluorescent circuits or motor wiring. Avoid close proximity to any AC wiring. All control/power wiring must be in conduit.

LUMA-NET WIRE RECOMMENDATION:

- Two separate wire runs are required for Luma-Net - Communications and Power
- Use RS485 compatible cable for the communications. **We strongly recommend the use of Belden 1502R or 1502P.** This cable type includes (2) #18 AWG wires in the same jacket for power runs.
- The following cable types are also acceptable. These cables include (2) Twisted Pair, #24 AWG, stranded conductors. The spare pair is for future uses. Note that these cable types require a separate pair of stranded wires for power, minimum #18 AWG.
 - Belden 9829
 - Belden 9729
 - Belden 8102
- Capacitance of wire shall be 15pF/ft. or less
- Nominal Impedance of wire shall be between 100-120 ohms
- Drain/Shields to be tied together, insulated and grounded (on one end only)
- At the last control station or dimmer cabinet on both ends of the run, a small jumper wire must be run between two terminals on the connector. This jumper wire properly terminates the digital communications lines at the end of the line.



For runs longer than 1,000 ft, we recommend pulling an extra pair of #12 AWG wire for power runs.

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2 Visit our Website at: www.leviton.com

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