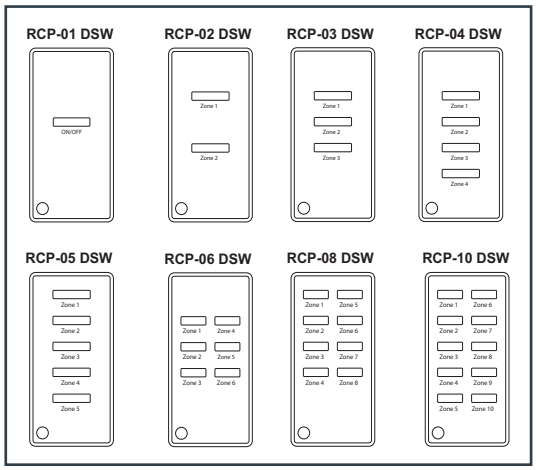
RELAY CONTROL PANEL DIGITAL SWITCHES (RCP xx DSW)



WALLPLATE ORDERING

RCP 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

DESCRIPTION

The RCP Digital Switches are 100% digital, using the Luma-Net protocol and are specifically designed for use with Lighting Control Relay Panels. 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.

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

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
Button	1.3
6 Button	1.1
8 Button	1.1
10 Button	1.3

WIRING

- Wires to RCP panel 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 RCP panel

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

ENVIRONMENTAL

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

ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **RCP 02 DSW**

CAT NO.	# BUTTONS
RCP	01DSW
	02 DSW
	03 DSW
	04 DSW
	05 DSW
	06 DSW
	08 DSW
	10 DSW

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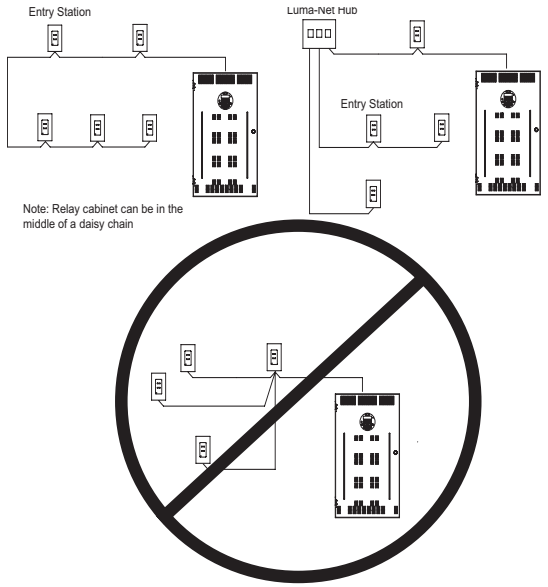
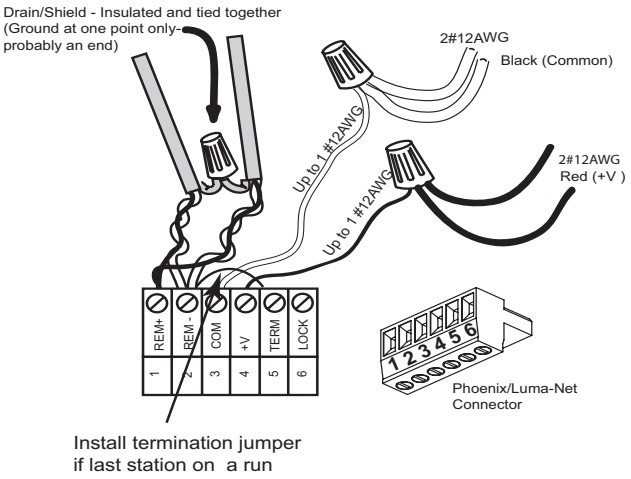
WIRING DIAGRAMS





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. It is recommended that a cable with 2 Twisted Pair, 24 AWG, stranded conductors be used. The spare pair is for future uses. We strongly recommend the use of Belden 1502R or 1502P. This cable type includes (2) #18 AWG wire in the same jacket for power runs.
- Other acceptable cables include the following. These cable types require a separate pair of stranded wires for power, minimum #18 AWG.

- Belden 9829 - Belden 9729
- Belden 8102 - Belden 81102P

- 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.