1. **Configuration of your device**

   **1. Configuration & Programming of your device.** In order to successfully use this device, the following configuration items must occur:
   - a. Set behavior of the device
   - b. Set starting Luma-Net Channel

2. **Terminate the Control Wiring**

   The control interface for this device is Luma-Net. Luma-Net is an RS-485 based Leviton proprietary protocol which requires a data cable capable of carrying RS-485 digital data signals on (1) twisted pair and a common wire. Additionally, this interface requires a power connection for +12-24VDC. Complete control wiring requirements can be found on our website and retrieving the technical application document titled “Luma-Net Control Wiring.” This article can be found at [www.leviton.com](http://www.leviton.com).

### Installation Instructions

#### Power & Control Facts

- **Voltage Inputs:** +12-24VDC
- **Current:** 0.5A @ 24Vdc (36mA per channel + 25mA for control)
- **Data:** Luma-Net
- **Data Topology:** Daisy Chained
- **Star permitted with hub

#### Setting the Starting Luma-Net channels

An 8 switch dipswitch determines the group of (8) addresses to which this device responds. Reference the chart inside for the switch settings and the corresponding channel numbers to which these dipswitches correspond.

#### Preparation:

- **DCMSD-021 and DCOUT-008**: An 8 switch dipswitch determines the group of (8) addresses to which this device responds. Reference the chart inside for the switch settings and the corresponding channels to which this device responds.

### Installation Steps:

1. **Configuration of your device**

   - **1. Configuration & Programming of your device.** In order to successfully use this device, the following configuration items must occur:
     - a. Set behavior of the device
     - b. Set starting Luma-Net Channel

2. **Terminate the Control Wiring**

   The control interface for this device is Luma-Net. Luma-Net is an RS-485 based Leviton proprietary protocol which requires a data cable capable of carrying RS-485 digital data signals on (1) twisted pair and a common wire. Additionally, this interface requires a power connection for +12-24VDC. Complete control wiring requirements can be found on our website and retrieving the technical application document titled “Luma-Net Control Wiring.” This article can be found at [www.leviton.com](http://www.leviton.com).

### Installation Instructions

#### Power & Control Facts

- **Voltage Inputs:** +12-24VDC
- **Current:** 0.5A @ 24Vdc (36mA per channel + 25mA for control)
- **Data:** Luma-Net
- **Data Topology:** Daisy Chained
- **Star permitted with hub

#### Setting the Starting Luma-Net channels

An 8 switch dipswitch determines the group of (8) addresses to which this device responds. Reference the chart inside for the switch settings and the corresponding channel numbers to which these dipswitches correspond.
3. Terminate the Output Wiring

Output Termination

The relays are rated for 30V, 0.5A per relay. DO NOT EXCEED THIS RATING OR DAMAGE TO THE DEVICE, YOUR PERSON, OR YOUR FACILITY MAY OCCUR.

The output termination varies depending on which model of card you have. The Mechoshade version requires the use of RJ-12 connectors as is standard with shading systems by Mechoshade and the terminal version uses two-part screw terminals for termination.

Mechoshade Version

dcmst-021

Please find the illustration below which shows the termination of the RJ-12 connectors from the Mechoshade shading system controller to Leviton’s contact closure control interface.

The top receptacle connects to the first shade, the second receptacle the second shade, and the third receptacle can connected to a BlackOut shade. Although not required, for reference the pin-out of the RJ-12 connector is as follows:

Terminal Version
dcout-008

Terminations to this version are shown in the illustration & chart below:

Please note that wire size & type for this function can not be determined nor recommend by Leviton as it is completely determined by your application. Exceeding the relay ratings as shown in this guide causes great risk which could include but is not limited to damaging the device, personal injury, or fire.

4. Put it in the Wall

Installing the Device in the Wall

Please follow the illustration & steps below to install this device into the wall after all terminations have been completed: