The DALI Controller, Cat. No. CD250, allows easy control of fluorescent ballasts supporting the DALI (Digital Addressable Lighting Interface) specification. The DALI controller provides a cost-effective and easy way to control individual ballasts, a group of ballasts, or an entire scene. The controller has two operation modes: Scene Operation, which provides a simple way to control multiple ballasts, and Non-Scene Operation, which allows individual or group control of a single ballast.

### INSTALLATION INSTRUCTIONS

**DI-006-CD250-00A**

**FOR USE w/DALI Loop Power Pack**

**INSTALLATION INSTRUCTIONS**

**WARNING:** To prevent injury or damage, use only a qualified technician to install, program, and service the device.

**1. Individual Mode:**
   - In this mode, the four rows of buttons control four individual ballasts. To enable this mode, press Button 5 (Scene) and Button 6 (Individual/Group), then press Button 1 (Mode). To terminate program mode A, press the program button while in program mode A.

**2. Group Mode:**
   - In this mode, the four rows of buttons control four individual groups, providing ON/OFF control for the entire group.

**LED callouts for Non-Scene Operation:**

- **LED 0** – ON (Flashing)
- **LED 1** – OFF (Flashing)
- **LED 2** – ON
- **LED 3** – OFF
- **LED 4** – Scene Bank
- **LED 5** – Broadcast
- **LED 6** – Scene
- **LED 7** – Individual/Group

**Addressing for the CD250:**

<table>
<thead>
<tr>
<th>Group</th>
<th>Address</th>
<th>Individual/Group A</th>
<th>Individual/Group B</th>
<th>Individual/Group C</th>
<th>Individual/Group D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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**Programming:**

**A. Non-Scene Operation:**

1. **Individual Mode:**
   - In this mode, the four rows of buttons control four individual ballasts, providing ON/OFF control for each ballast.

2. **Group Mode:**
   - In this mode, the four rows of buttons control four individual groups, providing ON/OFF control for the entire group. The DALI controller will automatically program the group address for each group, so all groups will have the same address. This address can be programmed by pressing Button 5 (Scene) and Button 6 (Individual/Group) and then pressing Button 3 (Scene 3) to access the group mode.

**B. Scene Operation:**

1. **Scene Mode:**
   - In this mode, each row of buttons is assigned a specific scene, and each scene is assigned a specific group. The scene bank is accessed by pressing Button 5 (Scene) and Button 6 (Individual/Group) and then pressing Button 2 (Scene 2) to access the scene mode.

**Non-Scene Operation:**

1. **Individual Mode:**
   - In this mode, each row of buttons is assigned a specific address, and each address is assigned a specific group. The individual/group selection is set to individual, and the broadcast selection is set to individual. The controller will automatically program the group address for each individual ballast.

**For use w/DALI Loop Power Pack**

**INSTALLATION INSTRUCTIONS**

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**1. Individual Mode:**
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**2. Group Mode:**
   - In this mode, the four rows of buttons control four individual groups, providing ON/OFF control for the entire group. The DALI controller will automatically program the group address for each group, so all groups will have the same address. This address can be programmed by pressing Button 5 (Scene) and Button 6 (Individual/Group) and then pressing Button 3 (Scene 3) to access the group mode.

**LED callouts for Non-Scene Operation:**

- **LED 0** – ON (Flashing)
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- **LED 2** – ON
- **LED 3** – OFF
- **LED 4** – Scene Bank
- **LED 5** – Broadcast
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- **LED 7** – Individual/Group

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2. **Group Mode:**
   - In this mode, the four rows of buttons control four individual groups, providing ON/OFF control for the entire group. The DALI controller will automatically program the group address for each group, so all groups will have the same address. This address can be programmed by pressing Button 5 (Scene) and Button 6 (Individual/Group) and then pressing Button 3 (Scene 3) to access the group mode.
Pressing and holding the program button for more than 5 seconds will initialize the DALI setup procedure (PMB). When the PMB is entered, all of the ballasts on this DALI loop will turn on to minimum brightness. At the time the blinking lights come on, an internal timer starts. If the user does not press any buttons in 10 seconds, the controller will exit the PMB. If the user presses any buttons within the 10 seconds, the controller will continue to pulse the predefined buttons. The user can exit the PMB at any time by pressing the program button. The controller will stop pulsed flashing at this time.

- Check wiring.
- Check power wiring connections.

To enter mode and address programming (PMB), press and release the program button once. All of the LEDs will flash in unison to indicate the controller is now in Program Mode A (PMA). The mode and address programming application is different for scene modes and for non-scene modes. If a scene mode is selected, it is important to note that once the controller has exited the PMB, the user must choose which button to base the setup on. If a non-scene setup is desired, it is important to note that once the controller has exited the PMB, the user must choose which button to base the setup on. If a non-scene setup is desired, it is important to note that once the controller has exited the PMB, the user must choose which button to base the setup on.

Figure 2 Wiring Diagram