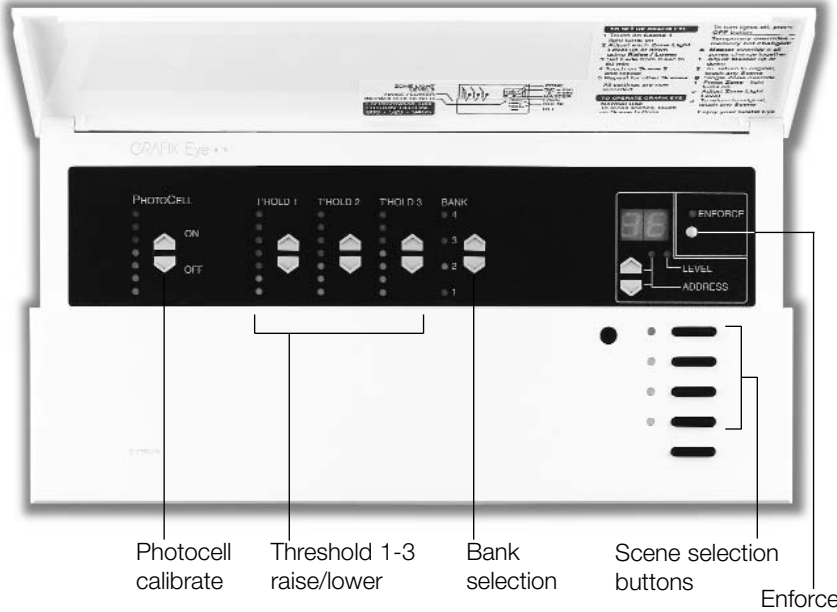


OMX-DACPI Automatic Daylighting Control

Cover (shown open)



Description

- Saves energy in spaces with windows, skylights, or doors. Automatically dims lights when the sun is bright.
- Monitors ambient daylight via Lutron's MW-PS-WH photosensor or 0-10V photosensor by others.
- Automatically selects scenes based on the amount of daylight available.
- Helps maximize energy savings with "enforce" mode – automatic control overrides lighting set by occupants.
- Eliminates "passing cloud" effect with a two-minute "range qualification" timer.
- Works with GRAFIK 5000, 6000, and 7000 Systems.

Functionality

- In the OMX-DACPI Daylighting Control, thresholds are set to define different ranges of daylight.
- The OMX-DACPI monitors ambient light, automatically selecting scenes as daylight levels cross thresholds.
- The OMX-DACPI allows setup of four "banks" of thresholds and scenes.
- Three different thresholds can be set up for each bank.
- Use the bank select keys to select which bank the OMX-DACPI uses.
- The OMX-DACPI automatically selects scenes based on the bank selected and the amount of daylight available. This provides 12 different thresholds that call 16 different Control Unit lighting scenes. Create thresholds and scenes for different times of the day (morning vs. afternoon) or year (winter vs. spring).

- Thresholds define ranges. Ranges call scenes.
- The OMX-DACPI provides four banks.
- Enter three thresholds for each bank.
- The four scenes shown below are automatically called when thresholds are crossed.

	Range 1 0-25%	Threshold 1 = 25%	Range 2 26-50%	Threshold 2 = 50%	Range 3 51-75%	Threshold 3 = 75%	Range 4 76-100%
Bank 1	Scene 1		Scene 2		Scene 3		Scene 4
Bank 2	Scene 5		Scene 6		Scene 7		Scene 8
Bank 3	Scene 9		Scene 10		Scene 11		Scene 12
Bank 4	Scene 13		Scene 14		Scene 15		Scene 16

Job Name:	Model Numbers:
Job Number:	

Specifications

Power

Low-voltage Class 2 (PELV)
 Operating Voltage: 32 V Direct Current.

Automatic Daylighting Control

- Automatically selects preset lighting scenes in response to ambient daylight.
- Provides four “banks”. Each bank provides three thresholds (levels of ambient daylight) and four scenes.
- Allows photosensor input to override manual scene selection.
- Features a “Range Qualification” timer. When changes in daylight cause a scene change, the OMX-DACPI waits 2 minutes before another “automatic” scene change. (Scene selection buttons work immediately.)

Photosensor Input

- Accepts up to three MW-PS-WH photosensors wired in parallel or one 0-10V photosensor by others.
- Averages readings from up to three photosensors wired in parallel.
- Provides push-button photosensor calibration.

Key Design Features

- Meets IEC 801-2. Tested to withstand 15kV electrostatic discharge without damage or memory loss.
- Faceplate snaps on with no visible means of attachment.

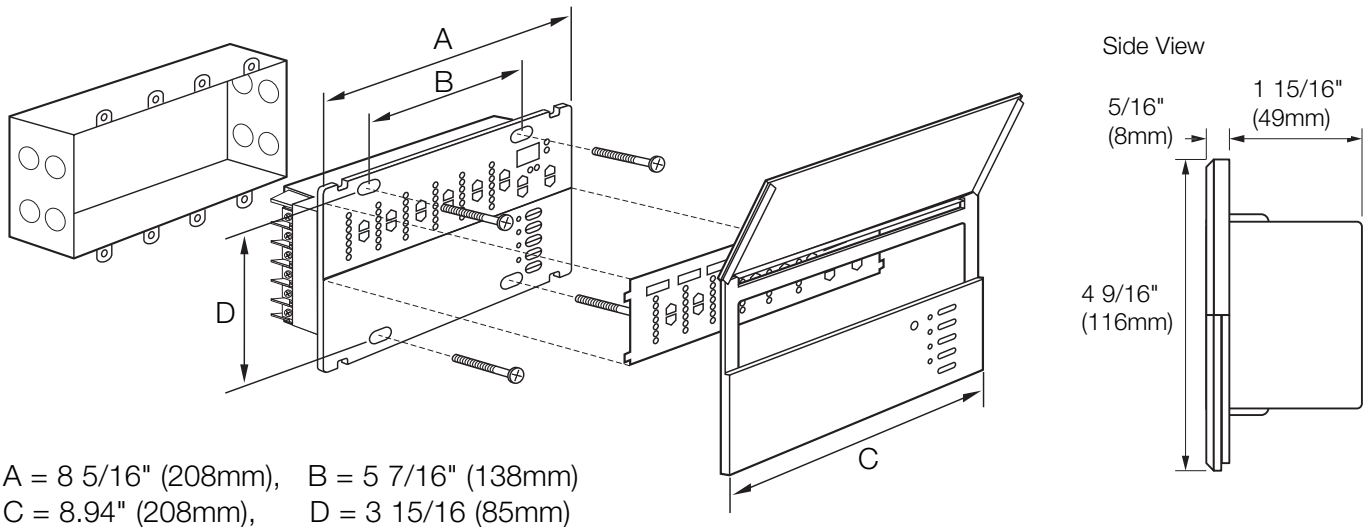
System Communications and Capacity

Low-voltage Class 2 (PELV) wiring connects the OMX-DACPI to Processor Panels.

Environment

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

Dimensions And Mounting



Job Name:	Model Numbers:
Job Number:	

Functions

Buttons and Settings

Function

Scene selection buttons

Select scenes:

- 1 to 4 with bank 1
- 5 to 8 with bank 2
- 9 to 12 with bank 3
- 13 to 16 with bank 4

Bank selection

- Select which bank the OMX-DACPI uses.
- LED 1 lights for bank 1, LED 2 for bank 2, etc.

Threshold raise/lower

Used to setup 3 thresholds for each bank. Each threshold must be equal to or lower than the next threshold. Example:

Threshold	Can be set as a value between:
1	0-25%
2	25-50%
3	50-75%

Photocell calibrate button

Calibrates the photocell connected to the OMX-DACPI.

Enforce toggle button and LED

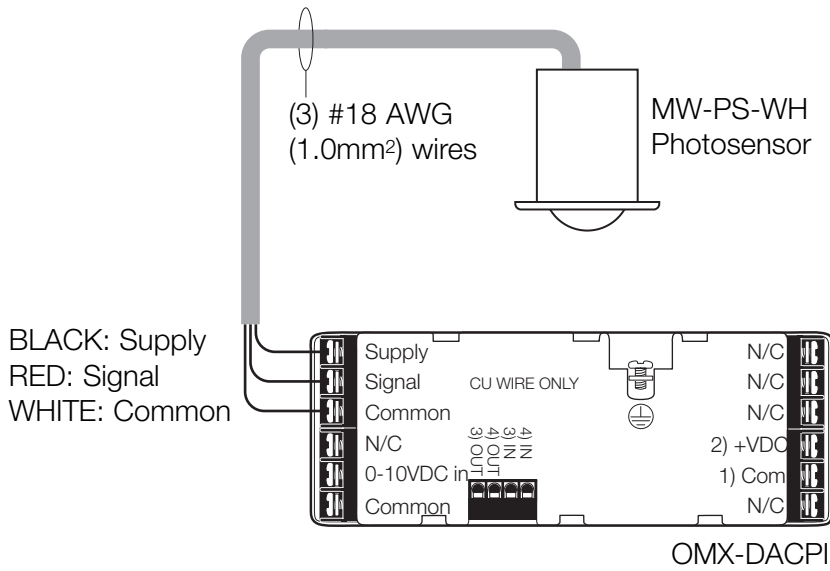
Forces the OMX-DACPI to re-select the appropriate scene every 5 minutes, even if daylight levels stay the same. LED lights when enforce mode is on.

Job Name:

Model Numbers:

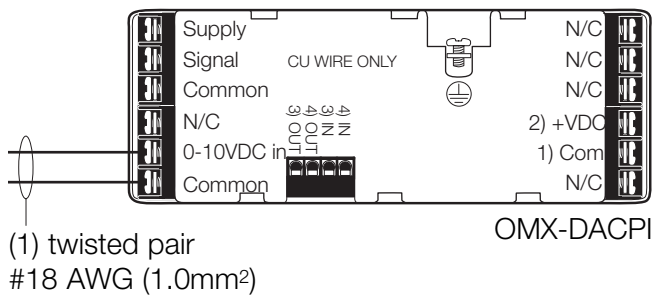
Job Number:

Wiring for Lutron MW-PS-WH Photocell



0-10VDC Input Wiring

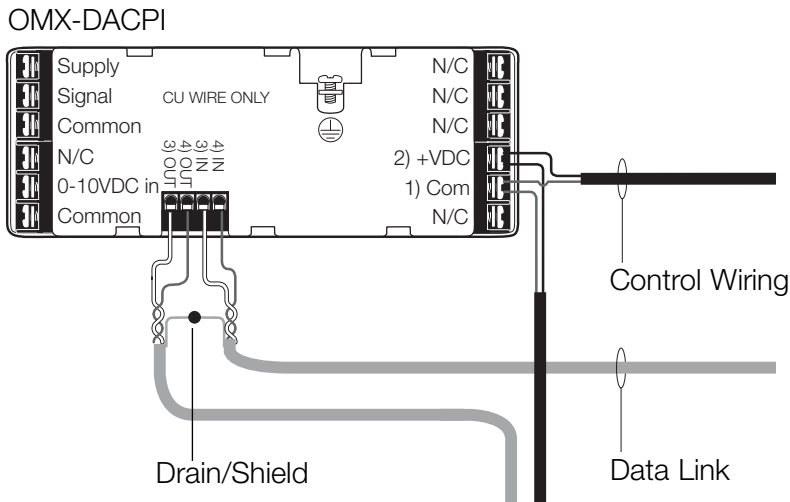
0-10VDC input from photo measurement equipment by other manufacturers.



Job Name:	Model Numbers:
Job Number:	

Low-Voltage Class 2 (PELV) Wiring

- Use low-voltage Class 2 (PELV) wiring to daisy-chain the OMX-DACPI to Processor Panels.
- Make connections inside the wallbox or in a switch/junction box with a maximum wire length of 8 feet (2.5m) from the link to the OMX-DACPI.
- Two #12 AWG (2.5mm²) conductors for common (terminal 1) and 32 V Direct Current (terminal 2) control wiring.
- One shielded, twisted pair #18 AWG (1.0mm²) for data link (terminals 3 and 4).
- Connect Drain/Shield as shown. Do not connect to Ground (Earth) or Wallstation. Connect the bare drain wires and cut off the outside shield.



<p>Job Name:</p>	<p>Model Numbers:</p>
<p>Job Number:</p>	