PDL3 MODUS Standard (for 150 W Power Supply)

Dimming Controller and Occupancy Sensor

Install Guide for 701953 Occupancy Sensor and 601093 Dimming Controller

Technical Notice – Use of PDL3 MODUS with Photo Sensors: When utilizing a Photo Cell /Daylight Sensor device for on and off control of SloanLED PDL3 MODUS products, it is recommended that customers utilize the “delay off” feature and setting available on daylight sensors. “Delay off” feature in daylight sensors, under unique conditions, can cause sensor and light system to cycle very rapidly turning lights on and off in rapid succession. This cycling may be seen as flicker or possibly not be perceivable by the human eye. A “delay off” setting selection could cause unwanted circuit breaker tripping, premature wear of photo cell daylight sensor or negatively affect power supply resulting in a failure mode. This unnecessary stressing of circuit, photo sensor, and power supply can be easily avoided by selecting “delay on” feature of photo sensor.

DIMMING CONTROLLER & OCCUPANCY SENSOR CONFIGURATION

Decide which dimming controller and occupancy sensor configuration is needed. Connect controllers and sensors in desired configuration. Use 18 AWG (0.75 mm²) 2-core cable for 180 ft (54.8 m) max cable length or 16 AWG (1.3 mm² ~1.0 mm²) for 280 ft (85.3 m) max cable length between first and last controllers in zone/group. An incoming communication cable should terminate to connector pair #1. An outgoing communication cable should terminate on connector pair #2. Match wire color to connector color.

NOTE: This installation guide is to be used in conjunction with installation guide for PDL3 MODUS (P/N 701948-5WCWT3-M, 701948-5WTWT3-M, 701948-5WCWT3-MH, 701948-5WTWT3-MH, 701948-5WCBZ3-MH, 701948-5BZWT3-MH).

NOTE: To be installed by a licensed (qualified) electrician. Install in accordance with all national, state and local laws, regulations, codes, and ordinances.

Tools and supplies required (in addition to those listed on PDL3 MODUS (3M or 3MH) installation guide): 1/2 in (12.7 mm) drill bit or step drill bit that includes 1/2 in (12.7 mm) size. Cable glands rated for IP68 to seal 0.22 in (5.6 mm) diameter cable (SloanLED recommendation: McMaster Carr P/N 69915K54 or equivalent).

1. Remove silicone plug from MODUS fixture.
2. Using 1/2 in (12.7 mm) drill, make a hole in canopy through hole in PDL3 MODUS backplane. From lens side of luminaire, pass sensor cable up through mounting hole.
3. Tighten nut down completely onto threads until secure and flush with surface of canopy. Do not overtighten nut.
4. Remove Power Module from power supply cable. Configure jumper on dimming controller to desired max power setting. Ensure all dimming controllers in a single zone/group have same jumper setting.

**CONTROLLER JUMPER SETTINGS (601093):**
- No jumper = 125 Watts
- Jumper at position 1 = 100 Watts
- Jumper at position 2 = 86 Watts

5. Position sensor in desired orientation.

**NOTE:** Approximate detection zone for 15 ft (4.6 m) canopy height shown above.

**NOTE:** Groove on end of sensor corresponds to longer axis of detection zone. See detection zone reference material.

Luminaire remains bright after two minutes
Check sensor connections at the controller. If luminaire remains bright for longer than two minutes, after sensor connection verification, disconnect power from luminaire and contact customer service.