



## WARNING!

Before you begin. Read these instructions completely and carefully.



**Risk of Electric Shock.** Disconnect power before servicing or installing controller.



**Risk of injury or damage.** Controller will fall if not installed properly. Follow installation instructions, NEC and local codes and best trade knowledge.



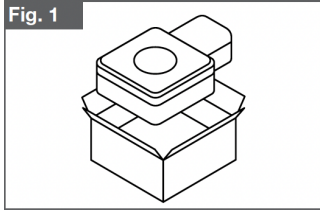
**Risk of injury.** Wear safety glasses and gloves during installation and servicing.



**Risk of injury or damage.** Mount only to a mechanically sound surface; All fixtures must be connected to a grounded, three-wire supply; All electrical connections must be capped with UL listed wire connectors rated 600V or higher; If supply wires are located within three inches of the LED driver, use wire rated for at least 90°C; Consult qualified electrician before installing.

### Installation

Fig. 1

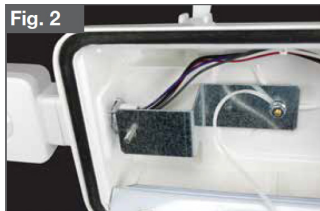


#### Step 1: Unpack & Inspect

Carefully remove sensor from packaging. Inspect for any defects in the housing, lens and conductors before proceeding. Confirm the product includes a gasket and locknut. Confirm product ordered matches the product received.

**Note:** part number FMS-DLC001 is equivalent to BT-FMS-A

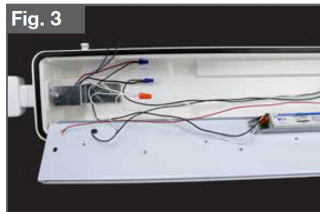
Fig. 2



#### Step 2: Mount Sensor

- Use a ½ inch knockout on a clean, smooth vertical surface
- Optional for luminaires having less than ½ inch overhang: Remove spacer and break away the threaded chase nipple extension if desired (see cut sheet for detail).
- Install gasket between sensor body (or spacer) and outside wall of fixture enclosure
- Install locknut and tighten securely

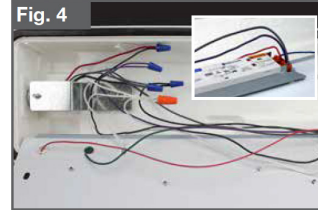
Fig. 3



#### Step 3: Power Wiring

- Connect Black wire from sensor to incoming Line lead
- Connect White wire from sensor to the incoming Neutral lead, and to the white lead(s) of all LED drivers
- Connect Red wire from sensor to the black leads of all LED drivers
- Use suitably sized wire connectors rated 600VAC or higher, and conductors rated 60°C or higher

Fig. 4



#### Step 4: Dimming Wires

- Connect Pink\*\* wire from sensor to the gray or Dim(-) connections of all LED drivers
- Connect the Violet wire from sensor to the violet or Dim(+) connections of all LED drivers
- Use suitably sized wire connectors rated 600VAC or higher, and conductors rated 60°C or higher
- Close wiring compartment per manufacturer's instructions

Fig. 5



#### Default Operation - No Programming Needed For programming options see below

- Standalone fixture control
- Bi-Level control:
  - Occupancy: Maximum intensity available from luminaire
  - Vacancy: Minimum available intensity
- Timeout Delay: 20 minutes
- Daylighting control: Disabled

Fig. 6



#### Programmed Operation

Programmable with an iOS Smartphone and app.

Please refer to the BT-FMS-A Installation Manual for details Options:

- Group control (with neighboring luminaires)
- Max & Min levels for bi-level control
- On/Off control (as opposed to bi-level)
- Timeout delay 15 sec to 90 min
- Daylight enable/disable and daylight setpoint

It's **EASY**  
to **REACH US...**



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\*\* This wire/terminal may be gray on older products or in retrofit applications. The 2020 edition of the NEC prohibits field-connected control wires from being gray to avoid confusion with gray 277V neutral wires. Effective January 1, 2022, 0-10V signal wires will use purple and pink insulation.

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Quick Installation Guide