

# Motion Sensor Knuckle Mount

Use the MS-KN01-XX is to increase motion sensor compatibility across multiple product series!

PRODUCT CODES: MS-KN01-BZ, MS-KN01-BK, MS-KN01-WH



The MS-KN01-XX is designed to enhance motion sensor compatibility across various product series.

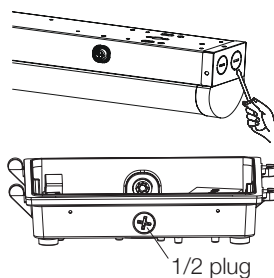
Many CSC LED series already feature built-in 3-pin twist-in motion sensor receptacles, benefiting from the straightforward programming and installation they offer.

To extend this functionality to a broader range of products or to enhance the performance of motion sensors on existing products, the MS-KN01-XX can be used as an extension between a luminaire and the MS01-PIR-TW-DC or MS04-MW-TW-DC motion sensors.

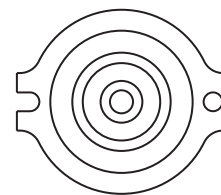
## COMPATIBILITY CHECKLIST

1. A compatible luminaire equipped with an existing motion sensor receptacle **OR** an available knockout with 12V auxiliary control
2. Compatible Motion Sensor (MS01-PIR-TW-MW or MS04-MW-TW-DC)
3. Remote control (MS01-RC) for programming

All you need to utilize the MS-KN01-XX!



Knockout



Motion Sensor Receptacle

Comes Standard on  
Select CSC LED Fixtures

## APPLICATION EXAMPLES



Pictured on CWP05 Wall Pack



Pictured on KEYSTONE Wall Pack

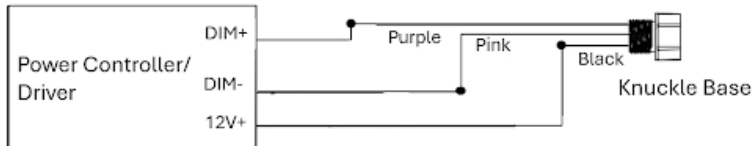
- Use the MS-KN01-XX to angle motion sensors out and away from the wall for more accurate operation
- MS-KN01-XX allows for external motion sensor mounting to meet the needs of specific applications

## WIRING DIAGRAM

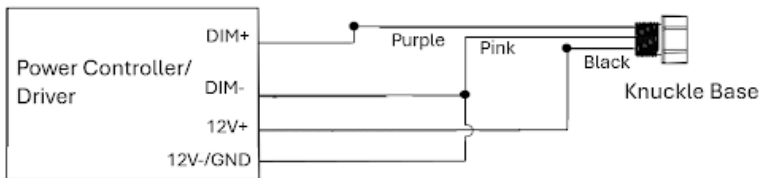
Wire Length: 230mm

If the luminaire is power selectable, wire the knuckle after the power controller. For all other non power selectable luminaires, wire them directly to the driver.

### Without 12V-/GND

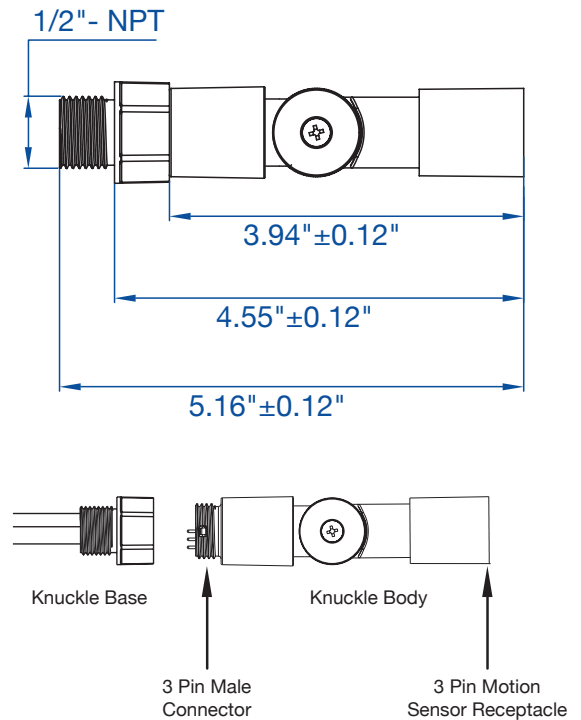


### With 12V-/GND



If the fixture has a 12V-/GND, connect the 12V-/GND to the DIM-

## DIMENSIONAL DIAGRAMS



## KNUCKLE 12V CONTROL INSTALLATION

(Note: DC Motion Sensor Sold Separately)

1. Unscrew the knuckle base from the knuckle body.
2. This knuckle can be used on a wide variety of luminaires provided that they have a 12V auxiliary control available. Pick an appropriate 1/2" plug at the bottom or the side of the luminaire to install the knuckle base (Fig. 1 & 2).
3. Remove the 1/2" plug from the luminaire and install the knuckle base. Ensure the wires are inside the luminaire. Secure with the nut (Fig. 3 & 4).
4. Thread the knuckle body back on to the knuckle base. (Fig. 5 & 6).
5. Wire the knuckle base according to the wiring diagram.
6. Thread the compatible DC motion sensor (MS01-PIR-TW-DC or MS04-MW-TW-DC) into the 3-pin motion sensor receptacle at the end of the knuckle body. (Fig. 7 & 8).

**NOTE:** Motion sensor and remote control sold separately. Compatible sensors require MS04-RC for programming. Visit [www.csc-led.com](http://www.csc-led.com) for programming instructions.

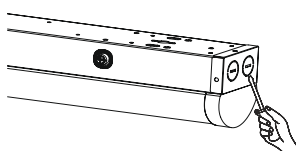


Fig. 1

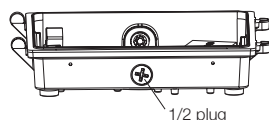


Fig. 2

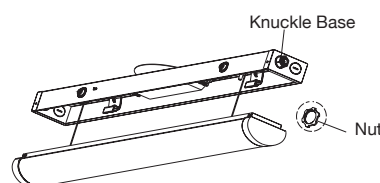


Fig. 3

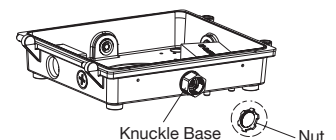


Fig. 4

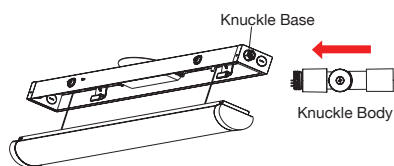


Fig. 5

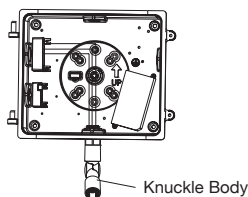


Fig. 6

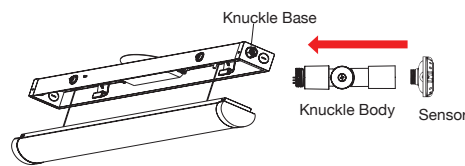


Fig. 7

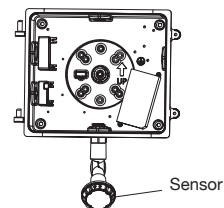


Fig. 8

## NUCKLE SENSOR RECEPTACLE INSTALLATION

(Note: DC Motion Sensor Sold Separately)

Note: This method can only be used on luminaires which come standard with a compatible 3-pin motion sensor receptacle already installed.

1. Unscrew the knuckle base from the knuckle body. The knuckle base will not be used for this application.
2. Thread the 3-pin male connector of the knuckle body into the existing motion sensor receptacle on the luminaire. (Fig. 10).
3. Thread the compatible DC motion sensor (MS01-PIR-TW-DC or MS04-MW-TW-DC) into the 3-pin motion sensor receptacle at the end of the knuckle body.

Note: Motion sensor and remote control sold separately. Compatible sensors require MS04-RC for programming. Visit [www.csc-led.com](http://www.csc-led.com) for programming instructions.

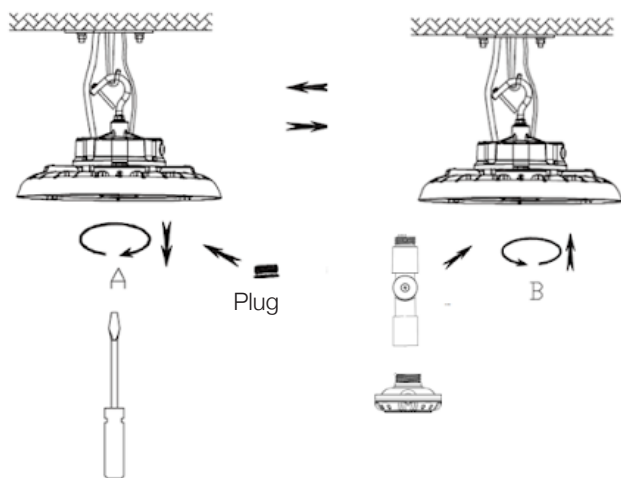


Fig. 10

NOTE: HB8 shown for illustrative purposes