

Introducing the **POH-946** series

Exclusive Sensor for Under Cabinet LED Lighting

The POH-946 series is another innovative sensor developed by IR-TEC, the premier sensor specialists, to provide occupancy sensing control for under cabinet/shelf LED lighting. By connecting this low profile occupancy sensor between the driver and lighting, the sensor will automatically regulate the power applied on the LED lighting based on the ambient light level and occupancy status, thus achieving an energy efficient lighting control.

This low voltage DC powered sensor can be easily and safely mounted under the cabinet or shelf, or fixture integrated. Numerous bi-level control modes are available with specific model to provide second-to-none control versatility in addition to the typical on/off switching. With the POH-946 series occupancy sensor, there is no more forgetting to shut off task lighting!

FEATURES

- PWM control delivers exceptional longevity**
 The sensor employs high frequency PWM technology to control the LED lighting by regulating the DC power applied. This contact-less power switching technology delivers exceptional longevity to the sensor operation as it does not have to handle the inrush current from switching on the LED lighting with electro-mechanical contacts.
- Easy to install with no setting required**
 The POH-946 series is designed for mounting under the cabinet/shelf with double-sided tape or screws, and can be easily fixture integrated. Setting other manufacturers' under cabinet sensors can be physically difficult; therefore IR-TEC designed the POH-946 series with all control parameters preset at factory to make installation easier.
- On/off switching or bi-level control modes**
 Typical manual switches can only provide on/off switching control to the under cabinet lighting, dimming has never been an option. With the POH-946 series sensor, all constant voltage powered LED lights can be controlled either in automatic on/off switching or specific bi-level dimming control.
- Snap-on masking cap for range reduction**
 The sensor comes with a compact dome lens that can provide 2X coverage of the mounting height. An exclusive masking cap can be snapped on to reduce the detection range in half, if the sensor sees the motion out of desired area.

Smart Sensor for Smart Lighting

BENEFITS

- Energy efficient occupancy sensing control
- No more forgetting to shut off task lighting
- No compromise in safety while saving energy
- Comply with ASHRAE 90.1 & CA Title 24:2013

APPLICATIONS

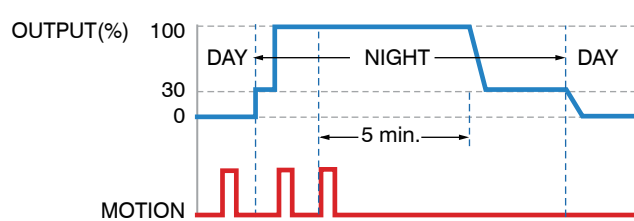
- Under Cabinet LED Lighting
- Under Shelf LED Lighting

CONTROL OPTIONS

POH-946MBW

The POH-946MBW will inhibit the LED lighting when ambient light level is higher than 50 lux. If ambient light level is lower than 20 lux, the sensor will automatically dim the LED with 30% power to provide safety night light.

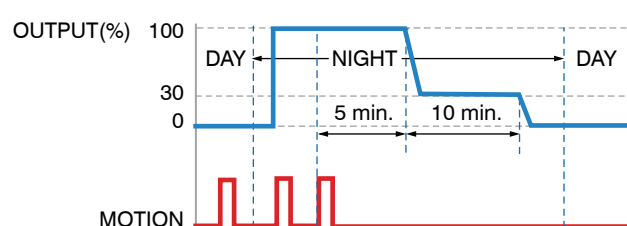
The sensor will power the LED to 100% when it detects occupancy. The sensor will dim the LED back to 30% if no movement is detected within 5 minutes. Safety night light will be automatically switched off when ambient light level is higher than 50 lux.



POH-946MCW

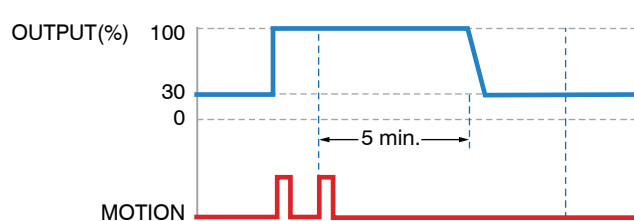
The POH-946MCW will inhibit the LED lighting when ambient light level is higher than 50 lux. If ambient light level is lower than 20 lux, the sensor will switch on the LED to 100% power when it detects occupancy.

If no movement is detected within 5 minutes, the sensor will dim the LED with 30% power for 10 minutes as Time-Off delay. The sensor will switch the LED back to 100% if it detects movement during Time Off delay, or the LED will be switched off if no further movement is detected.



POH-946MDW

The POH-946MDW will switch on the LED with 100% power whenever it detects occupancy and dim the LED with 30% power if no further movement is detected within 5 minutes.



POH-946MEW

The POH-946MEW will turn on the LED with 100% power whenever it detects occupancy and turn off the LED if no further movement is detected within 5 minutes.

