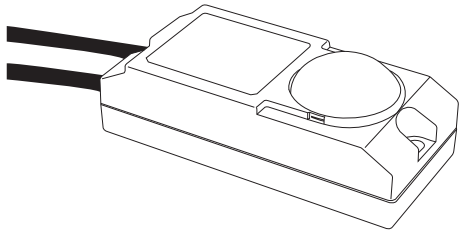




## POH-946 series

Under Cabinet Occupancy Sensor

### INSTALLATION INSTRUCTIONS



Indoor dry location use only  
Utilisation a L'interieur Uniquement

#### ⚠ CAUTION & WARNING

- Open Type Photoelectric Switches

#### ⚠ AVERTISSEMENT & PRUDENCE

- Ouvrir Type commutateurs optoélectroniques.



www.irtec.com

P/N: 058-94600-002

Printed in Taiwan

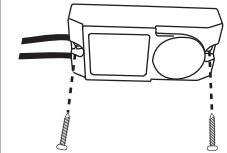
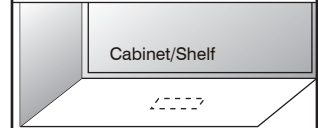
This product may be covered by one or more U.S. patents or patent applications.  
Please visit [www.irtec.com](http://www.irtec.com) for more information.

### OVERVIEW

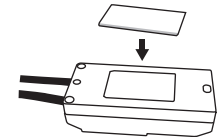
The POH-946 series is a low voltage occupancy sensor designed for under-cabinet LED lighting control. The sensor employs a cutting edge pyroelectric infrared sensor and a compact dome lens to provide excellent occupancy sensing capability. A PWM circuit is integrated to regulate the DC power from the driver to control the connected LED lighting accordingly. Thanks to its low profile design, the sensor can be easily mounted under a cabinet or shelf to provide energy efficient, occupancy sensing based automatic LED lighting control.

The POH-946 series is available with specific model featuring different control modes. You can always find the right sensor to meet customer's requirement, while achieving maximum energy efficiency.

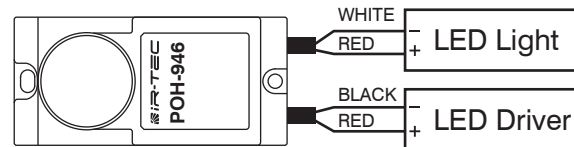
### INSTALLATION



Double-Sided sticker



### WIRING DIAGRAM



## OPERATION

The POH-946 series is available with specific model featuring different control modes.

| POH-946MBW |       |
|------------|-------|
| ALS        | Yes   |
| Low DIM    | 30%   |
| Delay      | 5 min |
| Time Off   | No    |
| Driver     | CV    |

| POH-946MCW |        |
|------------|--------|
| ALS        | Yes    |
| Low DIM    | 30%    |
| Delay      | 5 min  |
| Time Off   | 10 min |
| Driver     | CV     |

| POH-946MDW |       |
|------------|-------|
| ALS        | No    |
| Low DIM    | 30%   |
| Delay      | 5 min |
| Time Off   | No    |
| Driver     | CV    |

| POH-946MEW |       |
|------------|-------|
| ALS        | No    |
| Low DIM    | N/A   |
| Delay      | 5 min |
| Time Off   | No    |
| Driver     | CV/CC |

| OUTPUT(%) | MOTION |
|-----------|--------|
|           |        |
|           |        |
|           |        |
|           |        |

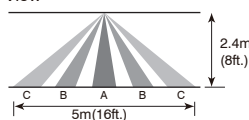
## DETECTION PATTERN

Standard

Top View



Side View

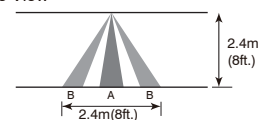


Range with mask cap on

Top View



Side View



## SPECIFICATIONS

|                     |                                 |
|---------------------|---------------------------------|
| Power supply        | 12~48 VDC from LED driver       |
| Current drain       | <2.5 mA @ 48V, load OFF         |
| Control load        | Max. 3A @ 12~48 VDC             |
| Sensing technology  | Passive Infrared (PIR)          |
| Control output      | 1KHz Pulse Width Modulation     |
| Day/Night threshold | Day: >50 lux, night: <20 lux    |
| Warm-up time        | Approx. 90 sec.                 |
| Detection coverage  | 2X of mounting height           |
| Mounting height     | 0.6~3 m (2~10 ft.)              |
| Detection zones     | 38 zones                        |
| Cable length        | Approx. 10 cm (4")              |
| Detectable speed    | 0.15~3 m/sec. (0.5~10 ft./sec.) |
| Op. temperature     | -40°C~55°C (-40°F~131°F)        |
| Dimensions          | 66x30x24 mm (2.6"x 1.2"x 0.95") |