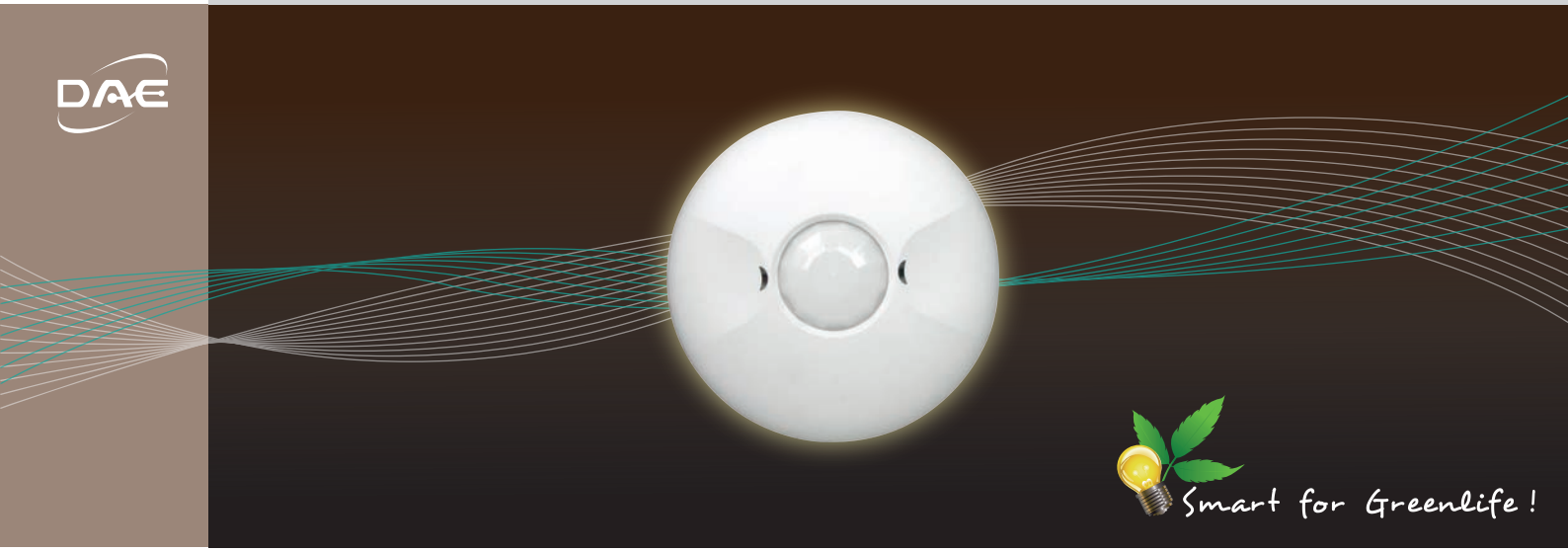
SRC3-K17

Ceiling Mount Occupancy Sensor with Dry Contact Output



Features

- Supports 2 user selectable operating modes
  (1) Occupancy Mode
  (2) Vacancy Mode
- Reduces wasted energy from forgetting turning the lights off
- 360° field of view, 1200 sq. ft
- Can work either with DAE Smart Green Box 1500 and 2000 series
- Adjustable sensitivity and time delay
- Manual adjustable ambient light level prevent load from turning ON automatically during periods of ample natural light
- Walk-through sensing mode increases energy savings by turning light “Off” shortly after momentary occupancy
- Conforms to California Title 24 Requirements

Applications

Occupancy Mode (Auto On, Auto Off)

- Restrooms
- Kitchenettes
- Corridors
- Elevator Lobbies
- Server Rooms
- Storage Rooms
- Tools & Props
- Copy Rooms

Descriptions

Auto on when occupant is detected, and auto delay off when occupant leaves. Delay off time is user adjustable. Manual turn off at any time.

Vacancy Mode (Manual On, Auto Off)

- Workshops
- Small Offices
- Meeting Rooms

Descriptions

Manual turn on, auto delay off when occupant leaves, the lights auto on again when occupant is detected in 30 seconds. Delay off time is user adjustable. Use manual switch to turn off the lights any time.

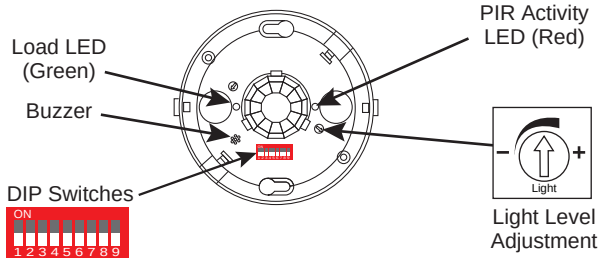
Overview

- This product is a ceiling installed smart controller with sensor for indoor use, it is unlike more traditional occupancy sensors which are simple automatic light switches (occupant comes, lights on; occupant leaves, lights off); this product is designed to meet the requirement of California's Title 24 Regulations for manual on, auto off operation.

- This product's outer appearance looks just like an ordinary ceiling mounted occupancy sensor, but it can have a switch connected to it for manual on operation, this is to prevent the inadvertent and unnecessary turning on of the lights for someone who is just passing who has no intention or need to turn on the lights.
  - When the person perceives the lights as being too dim, they will want to turn on the lights on manually
  - Upon leaving, they should turn off the lights, but if they forget to do so, this product will turn the lights off in their stead, this we refer to as Vacancy Control Mode.

- This product can be used exactly like an ordinary occupancy sensor, but in addition it can also detect the luminosity level, then turn the lights on only if both a certain the threshold (user adjustable) is reached and an occupant is detected.

Adjustment



DIP SW	Settings	ON	OFF
1	Sensitivity	50%	100%
2-4	Time Delay	Various Setting	
5	Walk Through	Enabled	Disabled
6	Vacancy	Enabled	Disabled
7	Audible Alert	Enabled	Disabled
8	Visible Alert	Enabled	Disabled
9	Reserved		

K17 Specifications

Item	Description
Input Voltage	24VDC
Adjustable Time Delay	5 sec ~ 30 min (DIP switch)
Coverage	360°, up to 1200 sq. ft
Sensitivity Adjustment	50% or 100% (DIP switch 1)
Adjustable Light Level	10FC-150FC
Mounting	Ceiling Mount
Operating Temperature	32°F to 131°F (0°C to 55°C)
Indicator Light	PIR activity LED (Red)
Manual Switch Interface	Manual ON & Common Terminals

Note : K17 needs a warm-up period of up to 40 seconds when start up.

Ceilling Mount Box

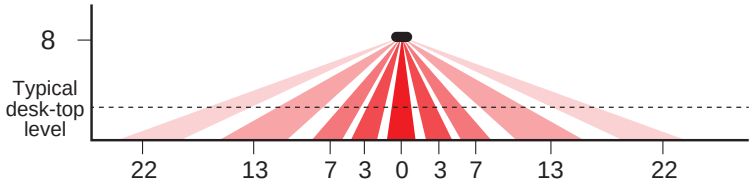
(※Use with junction box installaion)

Ceilling Mount Box
Model No.: K15-CMB

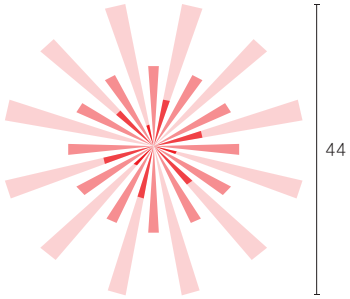
Ceilling Mount Box
with K17

Note : Please see “Dimensions” cut out size for the installation without junction box

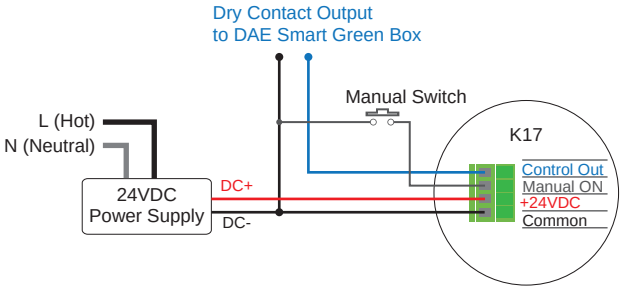
Coverage Pattern



Unit : feet

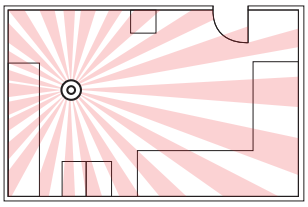


Wiring Diagram



Note : Please see the installation instructions for other applications.

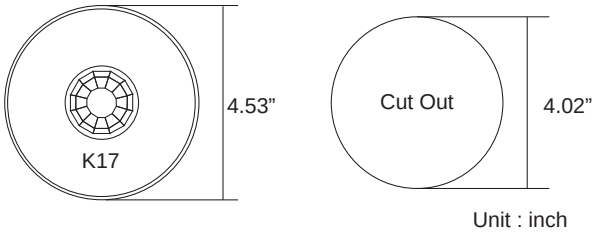
Placement Guidelines



Often the best location to intall a K17 in a closed office is off-center (see left figure). Avoid placing a sensor directly in line with an open door through which it has a clear view out, as the sensor may detect people walking by.

*It is recommended to place the sensor 4 to 6 feet away from air supply ducts as rapid air currents or the differences in temperatures may cause false activations.

Dimensions



Unit : inch

Ordering Code

Ordering Code	Description
K17	Ceiling Mount Low Voltage Occupancy Sensor
K15-CMB	Ceilling Mount Box