



SE-BC-ANT54T / ANT54T-VAL



SE-BC-ANT64T



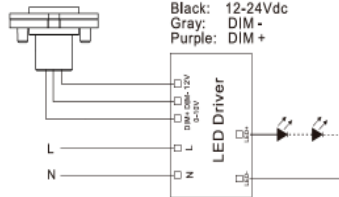
SE-BC-RC-100

## SENSOR FUNCTION

The Microwave and PIR Sensors have a 12-24V Input Voltage and a 0-10V, maximum 25mA sinking current Output/Maximum Load. They have a Sheath Wire and is IP rating of IP65. Factory Default Settings: 100% sensitivity, Hold on time: 5min, Daylight sensor is , Dimming level: 30%, Dimming time: 60 minutes. Temperature Range: -4°F ~ +140°F (-20°C ~ +60°C).

## WIRING

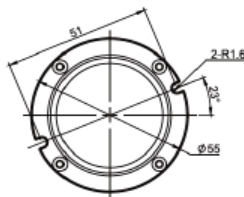
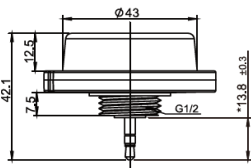
Wiring with 12-24VDC wire dimming ballast or LED driver.



## BI-LEVEL MICROWAVE SENSOR SE-BC-ANT54T/VAL

The SE-BC-ANT54T is a 0-10V dimming sensor. The SE-BC-ANT54TVAL is a daylight harvesting sensor. Warm up time is 15 seconds. After the sensor connects input power first time, the light will keep on 15 seconds, then go to dimming to work normally.

### DIMENSIONS

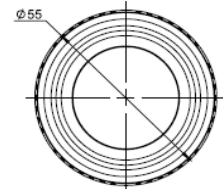
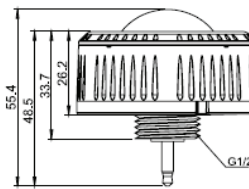


SE-BC-ANT54T & SE-BC-ANT54TVAL

## BI-LEVEL PIR SENSOR SE-BC-ANT64T

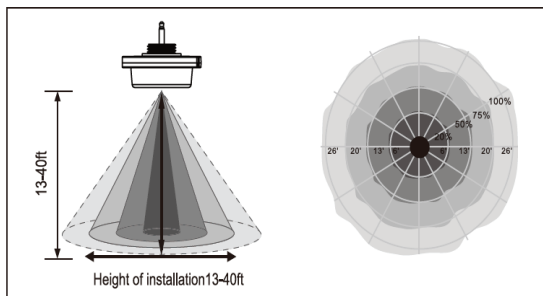
The SE-BC-ANT64T is a 0-10V dimming sensor. Warm up time is 40 seconds. After the sensor connects input power first time, the light will keep on 40 seconds, then go to dimming to work normally.

### DIMENSIONS



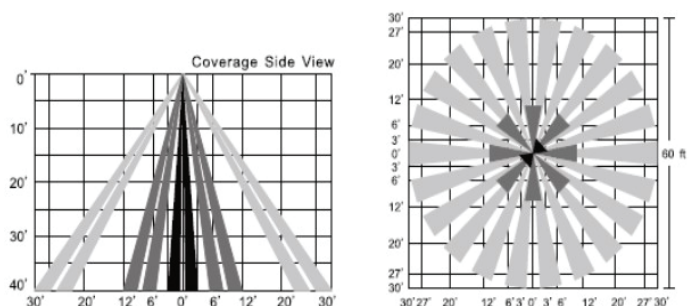
SE-BC-ANT64T

### SENSOR COVERAGE



SE-BC-ANT54T & SE-BC-ANT54TVAL

### SENSOR COVERAGE



SE-BC-ANT64T

## DIMMING FUNCTION

The Microwave and PIR Sensors offers 3 levels of light: 100%-->dimmed light, (natural light is insufficient)--> off, and 2 periods of selectable waiting time: motion Hold-Time and Stand-By period. This can all be done using the Remote Control.



Sufficient natural light.  
Light does not switch on.



Insufficient natural light.  
Sensor switches light on automatically when presence detected.



When natural light is below daylight threshold.  
After Hold-Time, light dims to Stand-By level.



After Stand-By period,  
light switches off automatically.

## BI-LEVEL MICROWAVE SENSOR SE-BC-ANT54T/VAL

### DAYLIGHT HARVESTING FUNCTION

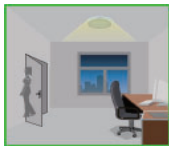
When the Remote Control is setting condition, push the to open the Daylight Harvesting function.



Movement detected.  
Light switches on at 100%.



Based on the the level of natural light available, the light output is regulated. The light turns on at full or dims to maintain the lux level.



Light dims to Stand-By level after Hold-Time.



After the Stand-By period, the light switches off completely.

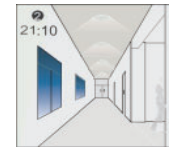
## BI-LEVEL PIR SENSOR SE-BC-ANT64T

### DAYLIGHT SENSOR FUNCTION

When the Remote Control is in setting condition, push the to open Daylight sensor.



Movement detected.  
Light switches on at 100%.



Light dims to Stand-By level after Hold-Time.



Light remains in dimming level at night.



Natural light level exceeds setpoint off. Light will turn off even when space is occupied.



Natural Light is insufficient (no motion). Light turns on automatically at i.e. 10%.

## RC-100 SENSOR REMOTE PROGRAMMER

The RC-100 wireless IR configuration tool is a handheld universal remote programmer tool for remote configuration of IR-enabled fixture integrated sensors. The remote range is 50' (15m). The tool enables device modifications via pushbutton, without ladders or tools, and stores up to three sensor parameter profiles to speed configuration of multiple sensors. The RC-100 uses bidirectional IR communication to send and receive sensor settings at mounting heights up to 40 feet. The device can display previously established sensor parameters, copy parameters and send new parameters or stored parameter profiles.

Will flash when settings are saved by pressing OK, or when settings are sent by pressing SEND.



### PARAMETER BUTTONS

#### BRIGHTNESS



#### BRIGHTNESS

Adjust max output level from 70-100% in sensor mode.

#### SENSITIVITY

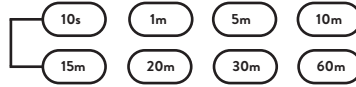


#### Detection Range (Sensitivity) Setting

20-100% detection range

Actual detection distance varies by mounting height. Refer to sensor coverage field of view diagram.

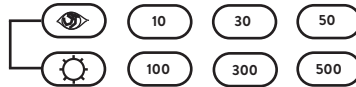
#### HOLD TIME



#### Hold Time Setting

After last detected motion, amount of time to hold light at 100% or selected **brightness** from; 10s up to 60min.

#### DAYLIGHT SENSOR



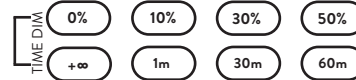
#### Daylight Sensor Setting

Set the ambient lux level. Sensor will turn light ON once below level, and OFF above level; 10 lux up to 50 lux.

selects ambient light level up to 500 lux

disables photocell/daylight sensor

#### STAND-BY



#### Stand-by Dimming Level Setting

No motion dimming level from; 0% to 50%

If no motion is detected for the selected **hold time**, the light will dim down to 0%/10%/30%/50%.

The light will remain off or dimmed for the selected **stand-by-period**.

Once motion is detected, light returns to set **brightness level**.

#### Stand-by Period Setting

No motion dimming stand-by time in minutes; 1m to infinity +∞-. Light will remain dimmed until motion is detected.

### COMMAND BUTTONS

- On/Off mode, Sensor is disabled.
- Display previous settings.
- Move cursor up.
- Send saved settings to the sensor.
- Exit On/Off mode. Sensor is enabled to previous saved settings. Sensor is disabled.
- Move cursor left.
- Saves all settings selected. Press before pressing send.
- Move cursor right.
- Revert to dip switch settings. Does not affect default modes.
- Test mode. Hold time is 2s.
- Move cursor down.
- Photocell range function enables selection and deselection smart daylight sensor to adjust lower (light turns on once below) and upper (light turns off once above) ambient lux levels.
- Four scene modes with preset parameters which are available to be changed and saved in modes.

## GENERAL CHANGE SETTINGS OF SENSORS

1. Press button, the remote control leds will show the latest parameters you set.
  - NOTE:** if you push button before, you must push button to unlock the sensor.
2. Press or enter in the setting condition, the parameter leds of remote control will flash to be selected, navigate to the desired setting by pressing to select the new parameters.
3. Press to confirm all setting and saving.
4. Aim to the target sensor and press to upload the new parameter, the led light which the sensor connects will on/off as confirm.
  - NOTE:** the setting works key step is by Push or , enter in the setting condition.
  - NOTE:** the led light which the sensor connects will on/off after getting the new parameter as confirm.
  - NOTE:** If you press button, the remote led indicators will show the latest parameters which were sent.