

Installation Instructions: Plug-in PIR Sensor for Apex Battens

Code: 15193 (Apex PIR Sensor Remote Control, Code: 15199)

Date	Revision
20.2.26	3



Read these instructions before installation and retain for future reference. This equipment should be installed by a competent electrician



Important Information

We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations and local building control.

- On emergency fittings, all tests should be carried out in accordance with current emergency lighting regulations.
- BELL Lighting will not accept responsibility for any claims arising from poor installation.

Important User Advice

- The operating temperature should be between -20 and 35°C, and 0 to 35°C for emergency fittings.
- Ensure that there is adequate free air ventilation around the fitting.
- Always switch off mains supply before installing.
- Not suitable for ATEX hazardous zones (explosive atmospheres).
- To ensure optimum performance, keep the front diffuser clean. Wipe with a soft, damp lint free cloth. Do not use soaps, detergents, solvents or abrasive materials.
- Not intended for use by children.

To be used with **BELL APEX Battens only**. Do not re-configure for use with other products. Avoid positioning near heat sources as this can cause false triggering. Always use a compatible replacement battery in the remote control.

This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible, recycle your packaging.



INSTALLATION INSTRUCTIONS

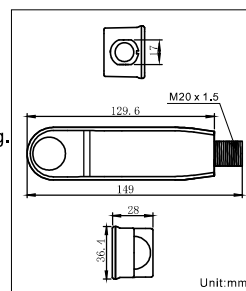
SPECIFICATION

The 15193 mounts in an outdoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. It controls 5V PWM LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing.



OVERVIEW

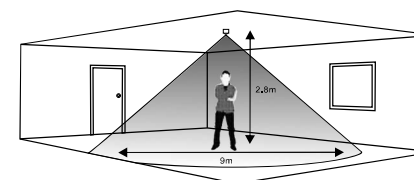
- PIR sensor.
- High-End Trim, Zoning, Continuous Bi-level Dimming.
- LED Motion indicator.
- Mounting height up to 7m.
- 360° coverage pattern.



TECHNICAL DATA

Motion Sensing	Passive infrared sensor
Input Power	220-240VDC
Control Output	5V PWM (Gradual change)
Detection angle	360°
Mounting height	Max. 7m
Operating temperature	-20°C ~ +60°C
IP Rating	65

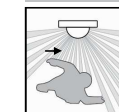
DETECTION DIAGRAM



Note: illustration shows an average of the walk across and walk towards figures below.

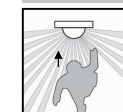
Area of high sensitivity Area of lower sensitivity

Walk across



Height	Range Diameter
7m	16m
2.8m	9m

Walk towards



Height	Range Diameter
7m	10m
2.8m	5m

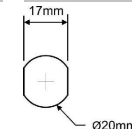
INSTALLATION

Do not grip unit at the lens end. Hold the square body near the threaded end when installing and tightening the nut. Care must be taken to prevent damage to the lens and surrounding IP seal.

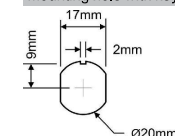
Components

Part	Quantity Supplied
 Silicone washer	2
 5° washer	1
 5° spacer	1
 M20 nut	1

Mounting hole without key



Mounting hole with key



Note. Key to be at top of sensor.

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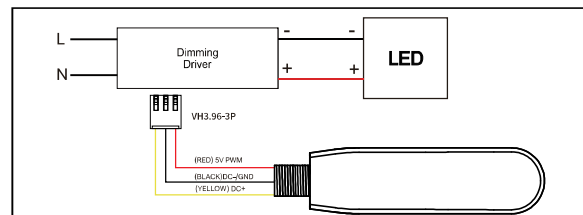
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INSTALLATION INSTRUCTIONS

SPECIFICATION

Wiring



Apex Remote Controller for PIR Sensor Product code - 15199

SETTING BY REMOTE CONTROL

		Press the "ON/OFF" button, the light goes to permanent on or permanent off mode, the sensor is locked. Press "AUTO" to quit from this mode.		The button "Test" is for testing sensitivity purpose. When the sensor goes to test mode (hold-on time is only 2s) automatically after commissioning meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" to quit from this mode.
		Memorize a list of specific parameters in "M" button as one touch button.		
		Press "AUTO" button, the sensors starts to work and all parameters remains the same as the latest status.		Press "RESET" button, all parameters go back to default settings: 10% 10SEC 30% 1MIN.
		Select as appropriate to adjust sensor sensitivity.		The time of light fixture remains at programmed 100% level after motion is not detected.
		Press this button, the latest surrounding lux value overwrites previous lux value learned, and is set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.		Select 10% LUX/30LUX/50LUX/100LUX threshold for sensor to turn light fixture ON. Select 10% current surrounding lux value as daylight threshold. Select the built-in daylight sensor stops working, and all motions detected could turn the light fixture on no matter how bright the natural light is.
		Press the buttons of "stand-by dimming level" to set the stand-by dimming level at 0/10%/30%/50%. Note: 0 means on/off control.		Press the buttons of "stand-by period (corridor function)" to set stand-by period at 1min/30min/60min+∞. Note: "∞" means bi-level dimming control, fixture never switches off.

NOTE: 1. when the sensor connect AC power first time, the light will be on one time and off, it take 20seconds to warm up.
2. the light will be on one time and off as confirm the sensor gets remote control signal.

Quick User Guide:

- "ON/OFF" MODE: Press the "ON/OFF" button, the light goes to permanent on or permanent off mode. Press "AUTO", button to quit from this mode.
- "RESET" MODE: Press "RESET" button, all parameters go back to Default parameter: 10% 10SEC 30% 1MIN.
- "AUTO" MODE: Press "AUTO" button, the sensor starts to work automatically, the parameters same as latest parameters in "AUTO" mode, you can begin to adjust the parameters as you desired.

For example: make desired Parameters as following: sensitivity 50%, hold time 10seconds, daylight sensor 30%, Stand-by level 30%, Stand-by time: 1min).

- Step 1. push the "AUTO" button, light will be on one time and off, as confirm.
- Step 2. push the sensitivity "50%" button, light will be on one time and off, as confirm.
- Step 3. push hold time "10seconds" button, light will be on one time and off, as confirm.
- Step 4. push daylight sensor "30%", light will be on one time and off, as confirm.
- Step 5. Push Stand-by level "30%" button, light will be on one time and off, as confirm.
- Step 6. Push Stand-by time "1MIN" button, light will be on one time and off, as confirm.

The sensor detects motion, the light on 100%, the light will go to 30% if no motion is detected within 10 seconds, and light will off if no motion is detected within 1min.

5. "M" Mode: "M" means Memory, this mode is to memorize a list of specific parameters in "M" button, so other light sensors can copy same parameters immediately by just pushing M button.

For example: you have 1000pcs lights need to set same parameter as following: sensitivity 50%, hold time 10seconds, daylight sensor 30%, Stand-by level 30%, Stand-by time: 1MIN.

- Step 1. push "M" button, light will on then off, then push "TEST" and hold until light remains on.
- Step 2. push the sensitivity "50%" button, the light will flash and remains on as confirm.
- Step 3. push hold time "10SEC" button, the light will flash and remains on as confirm.
- Step 4. push daylight sensor "30%", the light will flash and remains on as confirm.
- Step 5. push Stand-by level "30%" button, the light will flash and remains on as confirm.
- Step 6. push Stand-by time "1MIN" button, the light will flash and remains on as confirm.
- Step 7. push "M" button, memorize the Parameters above, light will be off as confirm.
- Step 8. Aim at the light, and press "M" button again, mean the First light sensor get parameters as above.
- Step 9. Aim at other 999pcs lights, just need to push only one button "M" one by one, lights sensor will get all parameters as above.

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