

ACTIVATA

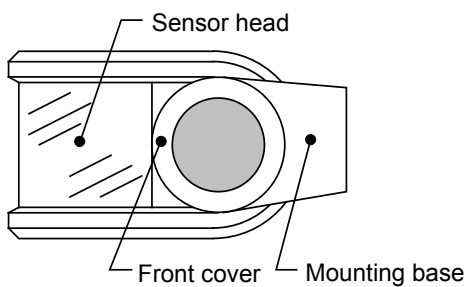


200° Passive Infrared SenSwitch

LC-200

INSTALLATION HINTS

- Avoid aiming the sensor head at direct or reflective sunlight which could cause permanent damage or false triggering.
- Avoid locating the light control sensor in areas which contain objects likely to produce a rapid temperature change such as heating vents, air conditioners dryer...etc.
- Avoid installing the light control sensor nearby trees or areas where public/traffic may trigger the unwanted light.
- Select a location where the direction of movement will “across” the detection zones for better sensitivity. To obtain proper detection, mounting height should be 1.8 ~ 2.4 meter for wall mount or 2.7 ~ 5.0 meter for ceiling mount.



CAUTION

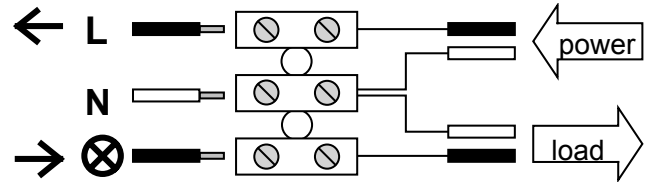
- Some local building codes may require installation by a qualified electrician. Consult an electrician about correct wiring.
- AC mains power must be switched off before installing.
- It is vitally important to verify the “live” and “neutral” wires of mains power. Reserve connection may cause malfunction, permanent damage to this device.

INSTALLATION

1. Remove front cover and sensor head from the mounting base by releasing two fixing screws.
2. Apply the mounting guide sticker at the selected position for drilling mounting holes. Insert dowels and mount the base with mounting screws.
3. Lead the wires from power source and light through passage hole on rubber gasket beneath the base. Connect wires to correct terminals according to following instruction for different operation mode.

Installation Instructions

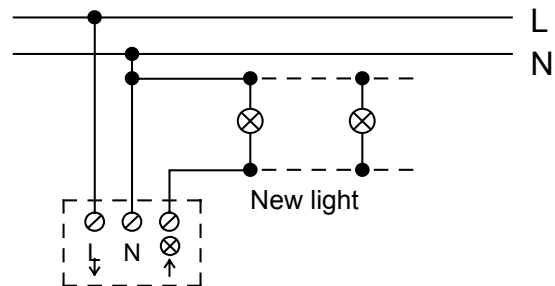
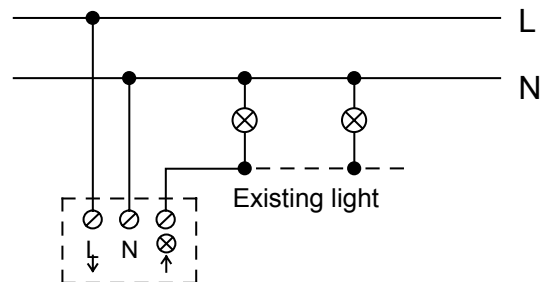
WIRE CONNECTION



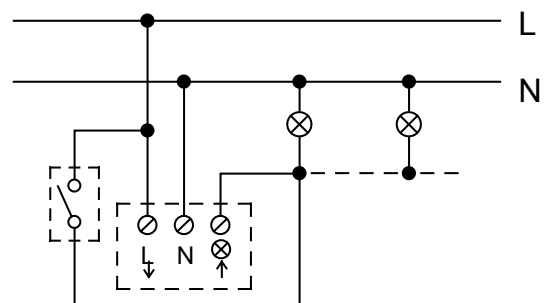
- ← L : Live wire from power source
- N : Neutral wire
- ⊗ : Live wire to load (light)

A. Automatic

Below wiring enables the SenSwitch to control the light automatically by detecting the motion.



B. AUTO-MANUAL Override



The above wiring enables light control sensor to control the light automatically while the manual switch is “off”. The light will remain constantly on if manual switch is “on”, disregard any motion or light level.

TEST & ADJUSTMENTS

Note: Before testing, ensure the LUX trimmer is set at right end (☼) and the TIME trimmer is set at minimum position (—).

1. Aim sensor head at desired detection area. Turn on the main power and wait about 30 seconds for sensor to warm up. Light will remain on during warm up period.
2. Walk across the detection pattern at normal speed, light will be switched on whenever the motion is detected. Stop and wait for light off, repeat same process until the whole coverage is identified.
3. After test completed and detection coverage satisfied adjust LUX and TIME trimmers properly according to individual requirement.

A. Range Adjustment

Maximum range is achieved when the sensor head is in a horizontal position. This range can be reduced by rotating the sensor head downward. The detection pattern can also be reduced by applying supplied masking material on the lens if required. First, refer to the detection pattern diagram to determine the segments to be masked. Cut masking material as determined and apply it to the corresponding area on lens. Range adjustment features eliminate detection in area causing unwanted triggering.

B. TIME Adjustment

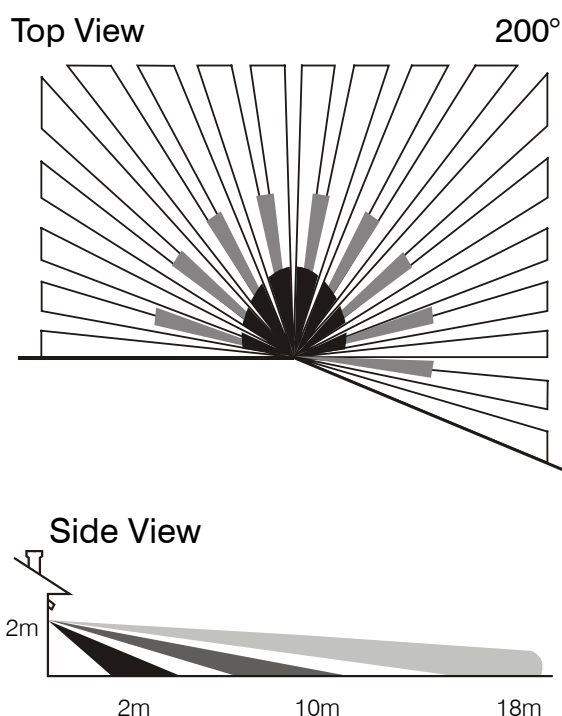
TIME trimmer controls shut-off delay time after the last motion is detected. Delay time ranges from 8 seconds (—) to 8 minutes (+).

C. LUX Adjustment

LUX trimmer determines the operation of Light control sensor by sensing the ambient light level. It is set originally at right end position (☼) for test convenience in daytime. After test completed, adjust LUX trimmer to left end position (☾) will enable Light control sensor only operate at certain darkness of the ambient environment to avoid unnecessary lighting.

To set individual preferred darkness for light control sensor to operate, rotate the trimmer clockwise from left end position real slowly when the ambient light level is preferred, stop rotating once the light comes on.

DETECTION PATTERN



SPECIFICATIONS

Detection method	.....	Passive Infrared (PIR)
Infrared sensor	.....	Dual element x 2
Power supply	.....	100 ~ 250 VAC, 50/60 Hz
Maximum load	.....	10 A @resistive
Detection angle	.....	200° wide
Detection range	.....	18 meter (60 ft) at 25°C
Mounting height	.....	1.8 ~ 3.0 m for wall mount 2.7 ~ 5.0 m for ceiling mount
Delay time	.....	8 seconds~8 minutes (approx.)
Lux range	.....	2 ~ 2000 lux (approx.)
Adjustable angle	.....	80° vertical
Protection rate	.....	IP44
Op. Temperature	.....	-20°C ~ 50°C (4°F ~ 122°F)
Dimensions	.....	125 x 105 x 62 mm

