

Infrascan



Automatic light switch
Anybody can turn it on



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You're never left in the dark with an Infrascan

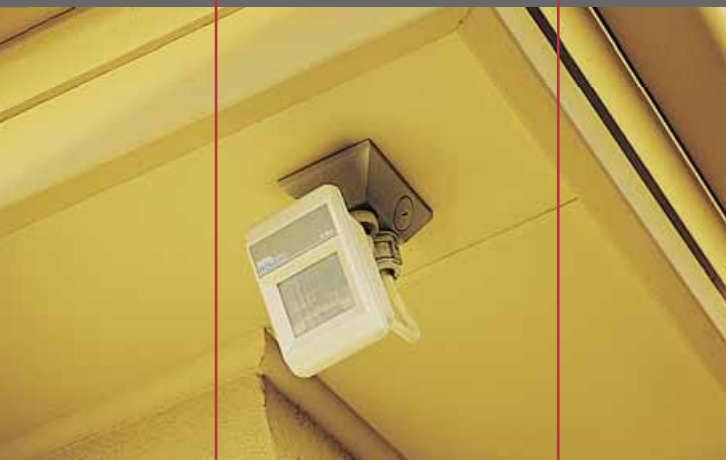
The Clipsal Infrascan has set the standard in automatic light switching for many years and has become the Australian leader in its field. In fact the name Infrascan is now the generic term for all movement sensors!

Infrascan offers the dual benefits of safety and security. It provides a safe, welcoming light when family and friends come to your home, as well as deterring any intruders who venture onto your property.

The moment anyone enters the Infrascan's detection field, the infrared sensor reacts to the body heat and turns on the light. This can be a fluorescent or an incandescent lighting load.



2. Provision for PAR 38 floodlamp mounting



1. Mounting holes

3. Mounting plate



4. IP66 Weatherproof protection rating

I n f r a s c a n

Infrascan still leads the way

The latest version of the Clipsal Infrascan continues to lead the way in reliability and innovative features.

Both the two wire (750WP) and the three wire (750WPR) versions have an IP66 rating, much higher than other similar products on the market, which means that they are completely dust and waterproof.

Cost savings

Infrascans at home, and in commercial and industrial situations, provide significant energy savings, as lights only switch on when someone enters the detection field. Therefore, lights in areas such as driveways, warehouses and car parks aren't left on all night unnecessarily.

5. UV stabilised sensor window covering passive infrared sensor

6. Time adjustment

8. Sensitivity adjustment

7. Light level adjustment



Wall or ceiling mounting

The Infrascan can be wall or ceiling mounted. By simply loosening the clamping nuts at each of the ball joints, the knuckle assembly can be rotated to suit the type of installation. Electrical connections are made via a flexible lead.

Easy installation

1. Use the loose terminals (supplied) and pass the cable through a gland (supplied) directly into the mounting plate.
2. Termination can be carried out in a junction box mounted in the ceiling space or wall cavity.

Infrascan 750WP and 750WPR

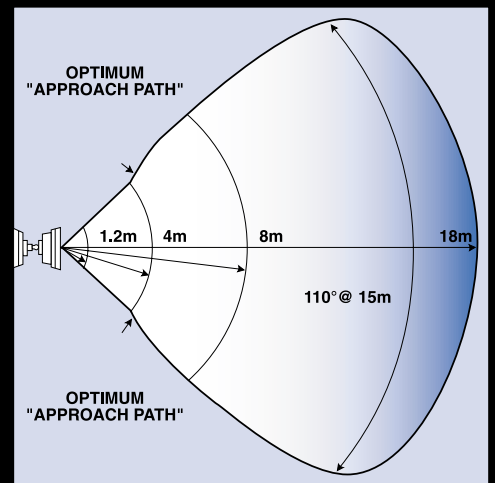
Features

Both Infrascan models have a sensitivity adjustment that lets you alter the detection field to a maximum radius. This adjustment, together with the time and light level adjustments are located on the base of the sensor head for easier access. A small screwdriver is supplied with each Infrascan so that you can easily make any adjustments.

A flexible two core lead (750WP) or the three core lead (750WPR) has been pre-wired to the sensor head, to ensure that the electronics enclosure is completely waterproof.

This feature also greatly reduces installation time and enables a variety of cabling termination methods to be used.

Each Infrascan also has the provision to mount two PAR 38 lampholders on the mounting plate.



Why nothing gets past an Infrascan

Both 750WP and 750WPR Infrascans have a detection field of up to 18 metres radius from the unit, covering 110°. The flat multi-segmented lens divides the 'field of view' into 48 zones. These are located at 4 different levels, ensuring immediate reaction to body movement and reducing the number of 'dead zones' that can be penetrated.

The passive infrared detection circuit is very reliable and has a short settling time, while the light level circuit guarantees continuous light level adjustment from below 1 lux (almost complete darkness) to full sunlight.

Note 1: The 750WP derives its power through the load, therefore the load is never completely de-energised when off, as with switch contacts.

Note 2: This is a typical specification. There may be noticeable differences in the range due to differing conditions such as background temperature, speed of movement, types of clothing worn, etc.

Specifications	750WP	750WPR
Wiring Configuration	2 wire	3 wire
Switching method	Triac	Relay
Operating voltage range	200-265V a.c.	
Operating frequency	50Hz	
Maximum load current	5A	10A
Minimum load current	20mA	0mA
Maximum off state leakage current	20mA (see Note 1)	0mA
Operating temperature range	0 to 50°C	
Rated detection field at maximum sensitivity	18m radius x 110° (see Note 2)	
Timer delay range	5 seconds to 8 minutes	
Light level inhibit threshold	Continuous from below 1 lux to full sunlight	
Mounting surface	Wall or ceiling mount	
Mounting height for rated detection field	2.4m (with detection head vertical)	
Number of detection zones	18 long range, 16 intermediate range 10 short range, 4 ultra short range	
International protection rating	IP66	

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