

Motion Detectors

Passive infrared (PIR) motion sensing technologies are commonly available, and Clipsal's PIR motion detectors are known throughout the marketplace as Infrascans. The Infrascans are automatic light switches that instantly activate lighting in response to body heat movement through the detection field (e.g. when a person walks in front of the Infrascan). Besides their obvious user convenience, they can also provide dramatic cost savings in both commercial and domestic environments, as lights switch off automatically when not needed (e.g. when an area is vacated).

The outdoor model in particular 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. There are several different types of Infrascans, most notably indoor and outdoor models, and their features are as follows:

Indoor models

Surface Mount Models shall:

- Be Clipsal 751 or 751R
- Have a detection field of 6 metres x 6 metres at a 90 degree detection angle
- Be mounted either vertically or horizontally
- Have an adjustable timing period between 5 seconds and 20 minutes, and the device shall retrigger each time movement is detected, resetting the time delay period
- Have a light level sensitivity adjustment able to activate from full daylight to almost total darkness
- Be able to be rotated through 120 degrees, to adjust detection field
- Have mounting centres of 84mm, to allow mounting via standard Clipsal mounting accessories
- Be able to control incandescent or fluorescent loads. Available in 2 amp (751) or 10 amp (751R) versions
- Be available in two (751) or three (751R) wire configurations. Note 751 does not require a Neutral wire
- Be mounted at an optimum height of 2.4 metres
- Be able to operate between 0 – 40 degrees C.

Ceiling Mount, Recessed Models shall:

- Be Clipsal 753 or 753R
- Be available in 2 amp (753) or 10 amp (753R) versions
- Be available in two (753) or three (753R) wire configurations. Note 753 does not require a Neutral wire
- Be recessed ceiling mounted (50mm cut-out)
- Have adjustable timing period between 5 seconds and 20 minutes, and device shall retrigger each time movement is detected, resetting the time delay period
- Have an operating voltage ranging from 200-265V, 50Hz a.c.
- Have a maximum load current of 2A (753) and 10A (753R)
- Have a minimum load of 40W (753) and 0W (753R)