

Highly adjustable PIRs intelligently control room lighting to conserve energy



Intelligent PIR movement detectors from leading manufacturer of relays and timers Finder detect body heat to control the lighting in a room. Accordingly the series 18 PIRs are able to reduce energy consumption by automatically switching off lighting when it is not required.

The demand by governments to reduce energy consumption has led companies to look closely at areas of unnecessary lighting, and in parallel, the ever increasing need for improved security. Finder's PIR detector is aimed at designers, engineers, contractors and installers of lighting control systems in commercial, industrial and domestic premises. They will be of great use in areas within buildings that are not permanently occupied and where constant lighting is not required.

To avoid lights accidentally being switched off when someone is still in the room, the series 18 PIRs have an extended 'on time', enabling a pre-settable delay to be dialled in, extending the time before the lights are turned off after movement detection ceases. The time can be adjusted between 10 and 180 seconds.

Exhibiting versatility and good design, the series 18 PIRs have a ball joint construction that enables simple, trouble free mounting on a flat surface, yet provides the ability to angle the detection head to 'view' the centre - or indeed any area - of a room. With this facility, the units can be wall or ceiling mounting whilst providing 180° horizontal, and 27° vertical positioning adjustment.

As well as being very adjustable, the units feature an inherent 110° sensing area in both vertical and horizontal planes that provides a wide area of coverage up to a range of 8m. Providing further versatility, the series 18 PIRs have an integral adjustable threshold light sensor that allows night or daytime use by taking the ambient light level into account.

Finder's series 18 PIR range is totally designed and manufactured in-house, including special microprocessor programming algorithms, CAD evolved optics, custom designed electronics, tooling and test equipment. The units are competitively priced and offer specifiers and end users a European designed and built PIR that is more adjustable than most, in a neat and compact housing.