

LightSpot - Stand-alone lighting control by presence detection and photocell

Standard Series LightSpot

Standard Series LightSpot is a general purpose, fullyautomatic, directional presence detector with photocell. It saves energy by switching off lights in unoccupied areas and by holding lights off in occupied areas which have adequate natural light. It uses a specially developed ultrasonic radar to monitor the controlled space for movement. This radar is sensitive enough to respond to even very small movements thus ensuring that lights are sustained whenever the controlled space is occupied. If no movement has been detected for a pre-selected period, LightSpot switches the lights off until the next visitor is detected.

Standard LightSpot with Photocell

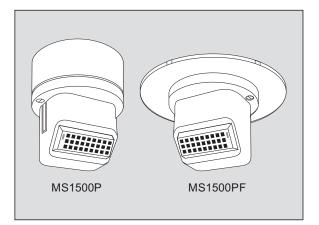
The Standard LightSpot control features a movement detector, photocell and 10 Amp load switching element in one easily deployed housing. LightSpot technology has been refined and improved over many years of efficient, reliable service in a wide range of industrial and commercial environments. The latest designs use stateof-the-art miniaturisation to pack the LightSpot's features into a small, attractive yet rugged enclosure which gives full field-of-view adjustment. Detectors are available for surface or semi-flush mounting.

Adjustment Controls

Available for commissioning purposes, these are accessed via the side door. The availability of two independent sensitivity controls makes the LightSpot supremely flexible in use.

ON Range is the normal range control which may be adjusted according to the needs of the space being controlled.

OFF Range sets the range once lights have been switched off and may, in some instances, require a different sensitivity setting. A good example is a library or storage aisle which requires a high sensitivity when the aisle is occupied but a much lower sensitivity when the area becomes unoccupied so that traffic passing across the ends of an aisle will not activate the lights.



OFF Delay sets the time delay (after last detected movement) before lights are switched off. Standard timeout settings are 5-15 minutes in 5 minute increments with other times being available to special order. A set-up time of 5 seconds is provided to assist rapid commissioning.

Power-up Condition. The unit may be set to power-up, when mains power is first applied, with the load ON or OFF irrespective of occupancy or ambient light levels. Power-up OFF is useful where the use of stand-by generators, for example, makes it undesirable to have the full load activate at once.

Photocell. The photocell is adjustable by a screw on the front grille. The LightSpot photocell observes the controlled space, not just ambient daylight, and takes account of all light contributions - even from adjacent zones. Photocell operation is extremely user-friendly: although the photocell takes into account light from the controlled luminaires themselves, it is configured never to switch lights off when anyone is present. It will, however, hold lights off as people enter an already adequately lit area and bring lights on if lighting levels fall in an occupied area.

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