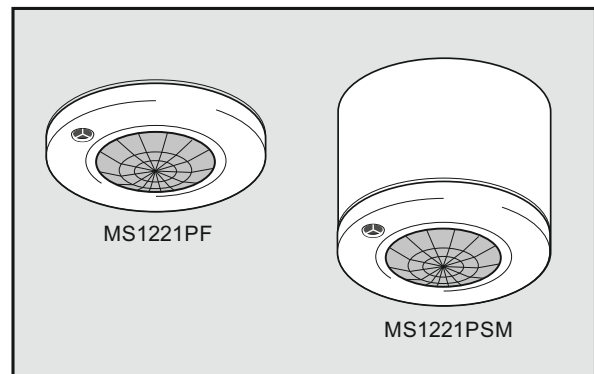


LightSpot - Stand-alone lighting control by presence detection and photocell

## Silver Series LightSpot

Silver Series LightSpot is part of a comprehensive range of presence detection systems designed to control modular luminaires with high frequency ballasts, and other lighting loads. It offers high-performance, programmable presence detection for lighting control in offices and open-plan workstations and is available in flush and surface mount versions.

Silver Series LightSpot offers the following features:



Presence detection is by passive infrared, effectively enhanced to improve sensitivity to small movements.



Passive photocell holds lights off in bright ambient conditions. Active photocell has the capability to switch lights off in occupied areas.



**1 min-96 hrs**

Off delay: Period following the last observed movement after which lights switch off. Adjustable via QuickSet Pro.



**6m**

Detection pattern and approx range in metres at floor level for 2.5m mounting height (detection pattern is cone shaped).



Dual-circuit (1 x volt-free, 1 x switched-live output). Switched-live influenced by photocell, volt-free output by presence detection only. Independent time delays can be programmed via QuickSet Pro.



Hand-held Controller provides local user override.



Remote programming ensures changes can be easily accommodated. Please see individual detector instructions for programmer compatibility.



Washroom mode. If no movement is detected in a 24-hour period, detector can be programmed to switch the load on for the duration of the off delay.

### Parameters - Programmable with QuickSet Pro

#### POWER UP

Options: On/Off

Sets the status of luminaires when power is applied.

**On** - lights power-up on irrespective of occupancy.

**Off** - lights respond to occupancy after 30 seconds.

**Pre-set - On**

#### RESPONSE

Options: Auto/Semi-auto

*Note: Only affects switched-live output.*

**Auto** - lights switch on and off automatically.

**Semi-auto** - lights are switched on by wall switch or hand-held controller and switch off automatically. **Pre-set - Auto**

#### OFF DELAY Options: 1min - 96hrs / Disabled /Walk-test

Sets the period after the last observed movement when the lights switch off. In walk-test mode, the Off Delay is 10 seconds.

**Pre-set - 20 mins**

#### PHOTOCELL MODE Options:

**Active/Passive/Disabled**

**Passive** - holds lights off when sufficient natural light.

**Active** - lights turn on and off as required when natural light levels fluctuate and area is occupied.

**Disabled** - the photocell has no effect. **Pre-set - Disabled**

#### 24 HOUR CYCLE

Options: Yes/No

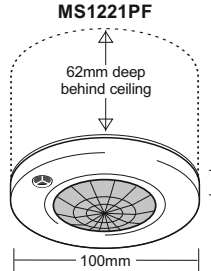
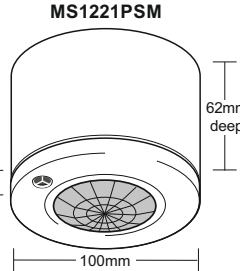
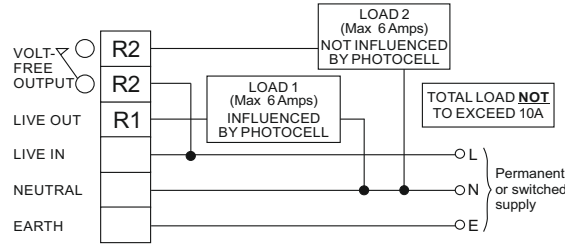
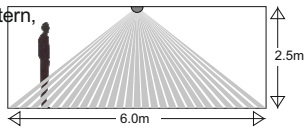


For use in 'Washroom Mode' only. Provides hygiene flush if area has been unoccupied for 24 hours. **Pre-set - No**

#### UPPER/LOWER THRESHOLD

Options: 0-254

Point at which photocell allows lights to switch on/off.

Please check [www.ex-or.com](http://www.ex-or.com) to ensure this is the most recent issue - Ref: D4067L

Dimensions and Installation Notes	Example Wiring Diagrams
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>MS1221PF</b></p> <p>62mm deep behind ceiling</p> <p>Flange: 10mm deep</p> <p>100mm</p> </div> <div style="text-align: center;">  <p><b>MS1221PSM</b></p> <p>62mm deep</p> <p>100mm</p> </div> </div> <p>Depth required behind ceiling: 62mm from front flange plus allowance for the minimum bend radius of the cable. Sinking box fits into 89mm diameter hole in ceiling tile or plasterboard ceiling. No access above the ceiling is necessary. The detector fits into sinking box with a simple bayonet action thus concealing the fixing screws.</p> <p>The housing may be secured to a hard surface or a BESA box. The detector fits into the housing with a simple bayonet action.</p> <p><b>Note: Do not mount these detectors within 25cm of a luminaire.</b></p>	<p><b>Single MS1221PF or MS1221PSM</b></p> <p>The MS1221 has two outputs, one influenced by the photocell (R1), the other not (R2). This is useful in applications where a fan or water is being controlled in addition to any lighting.</p> 
Technical Data	Ancillary Items
<p><b>MAXIMUM RECOMMENDED MOUNTING HEIGHT: 3.0m</b></p> <p><b>RANGE:</b> Cone-shaped detection pattern, diameter (at floor level) = 2.4 x mounting height</p>  <p><b>OFF DELAY:</b> Adjustable: 1 min-96 hours / Disabled (via QuickSet Pro) - plus 10-second Walk-test Mode Off Delays 1 &amp; 2 are independently adjustable</p> <p><b>PHOTOCELL:</b> Adjustable 50-5000 lux via infrared programmer</p> <p><b>OPERATING VOLTAGE:</b> 230V 50Hz (UK &amp; Europe)</p> <p><b>RECOMMENDED CIRCUIT PROTECTION:</b> 10 Amps</p> <p><b>MAX LOAD:</b> 6 Amps per output (not exceeding 10A in total)</p> <p><b>COLOUR:</b> White RAL9010</p> <p><b>MATERIAL:</b> Flame retardant PC/ABS</p> <p><b>WEIGHT:</b> Flush 210g; Surface 187g</p> <p><b>IP RATING:</b> 3X</p>	 <p><b>QuickSet Pro Digital 2-Way Programmer</b> Menu-driven LCD Programmer with automatic equipment recognition and parameter download facilities.</p> <p>QUICKSET PRO</p>  <p><b>HC5A Universal Hand-held Controller</b> Allows user override. Supplied with wall bracket.</p> <p>HC5A</p>

Ex-Or operates a genuine policy of continuous improvement. You may expect the specification to be regularly enhanced. For latest technical information, please visit [www.ex-or.com](http://www.ex-or.com)

**Part Numbers**

- MS1221PF** Dual-circuit LightSpot with photocell - flush
- MS1221PSM** Dual-circuit LightSpot with photocell - surface
- QUICKSET PRO** QuickSet Pro Digital 2-Way Programmer
- HC5A** Universal Hand-held Controller