

LightSpot - Stand-alone lighting control by presence detection and photocell Hi-Bay Multi-Function LightSpot

The Multi-Function Hi-Bay LightSpot is a dual-output presence detector with photocell for use at heights up to 16m. Coverage is on a 1:1 ratio, i.e. at 9m height, the detector's footprint is a 9m diameter circle. It can be programmed (from ground level using an infrared programmer) to perform any one of the following combinations of functions:

• Lighting Control + Emergency Test Control

This mode allows the testing of an area of Emergency Lighting to be conveniently implemented without the expense of a special, single-function controller or any hard wiring. Convenient and easy to use, emergency test is initiated by infrared controller (HP2000 or the dedicated HC8) and a highly visible, blue LED shows that testing is underway. There is no need for manual timing: automatic test durations of 1 minute or 1, 2, 3 or 5 hours can be selected and a test can be terminated manually at any point. To ensure battery life is maintained, there is even a lock-out feature that limits testing if there has been more than 5 minutes' battery usage or mains outage in the previous 24 hours.

• Lighting Control + Air Conditioning Control

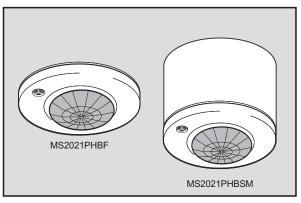
While lighting needs to be provided immediately that someone enters a room, this is not the case with air conditioning, so there are two independently programmable timers: a hold-off timer to avoid responding to momentary occupancy (1, 3 or 5 minutes delay) and a fully programmable run-on timer. Individual on/off control is provided via the dedicated HC7 hand-held infrared controller (or HC5 Universal Controller).

• Lighting Control + Water/Fan Control

Here the volt-free output is used to control a toilet-flush cistern-fill valve or extractor fan. The flush or fan control can be programmed independently from the lighting control. To ensure that fresh, hygienic conditions are maintained during holiday shutdowns, an automatic daily flush takes place.

Two-Channel Lighting Control

The switched-live output is influenced by the photocell while the volt-free output is not. Each output has an independent off-delay timer. The volt-free output operates in AUTO mode while the switched-live output can be operated in AUTO or SEMI-AUTO (Absence Detection) modes. Relay 1's delay timer may be disabled so that the unit operates as an active photocell, uninfluenced by movement.





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



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



Off delay following the last observed movement after which the lights switch off. Each output is independently adjustable.



Detection pattern and range in metres at floor level (detection pattern is cone shaped). Range to mounting height ratio is 1:1, i.e. at 9m height, the cone's diameter is 9m at the floor.



Switched live influenced by photocell and occupancy; volt-free output by occupancy only. Independent time delays can be programmed via HP2000.



Hand controllers provide local user override/operation (HC5, HC7 & HC8 as appropriate to mode).



Remote programming by HP2000 ensures changes can be easily accommodated.



Air-conditioning control. Switched live for lighting control, volt-free output for air-conditioning control.

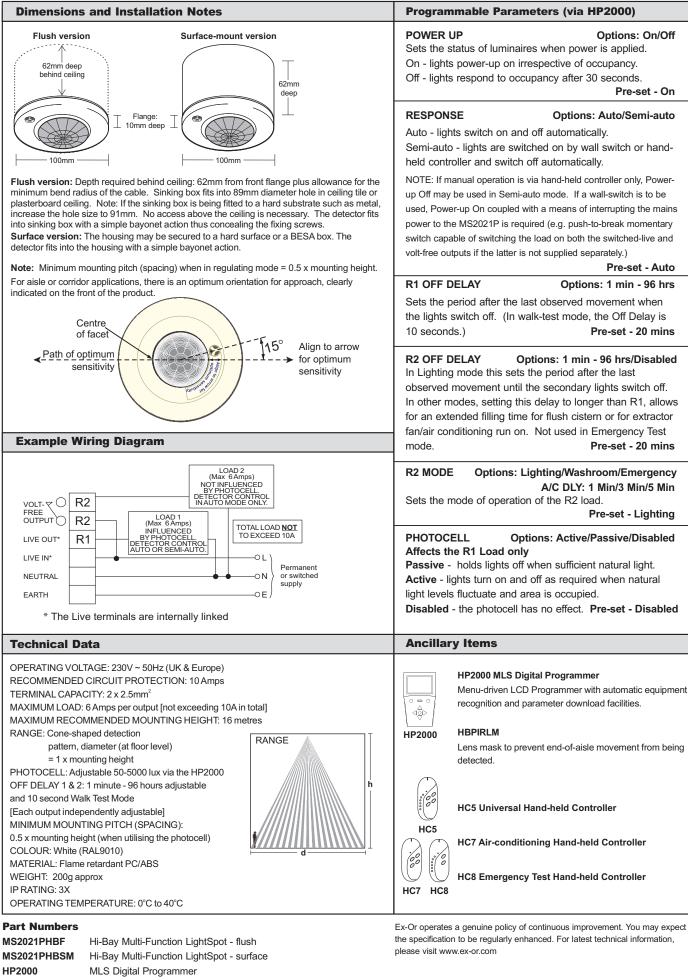


Emergency test control. Switched live for main lighting, volt-free output for emergency test procedures.



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.

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 HP2000
 MLS Digital Programmer

 HBPIRLM
 Lens Mask

 HC5
 Universal Hand-held Controller c/w wall bracket

 HC7
 Air-conditioning Hand-held Controller c/w wall bracket

 HC8
 Emergency Test Hand-held Controller c/w wall bracket

 SV2
 Solenoid valve

 SVB
 Solenoid valve housing

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