

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

Mid-Bay LightSpot (Regulating)

- Mid-Bay LightSpot offers energy-saving PIR presence detection at heights of up to 12m.
- Idea for warehouses and industrial units.
- 1 : 1.75 Coverage ratio for optimum precision detection, i.e. 8m mounting height results in a detector footprint of 14m diameter circle.
- Set and adjust the PIR detector to your requirements.
- Easy programming from ground level via infrared programmer.
- Lens mask available for end-of-aisle applications.
- Versions for DSI, DALI and 1-10V Analogue ballasts are available.



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



Regulating photocell ensures a minimum maintained light level, taking account of the contribution from adjacent luminaires and daylight (dimmable control gear only).



Passive photocell holds lights off in bright conditions. Active photocell has the capability to switch lights off in occupied areas. (Options with Analogue version only.)



Off delay: Period following the last observed movement after which the lights switch off, adjustable via HP2000. (Also 5, 10 or 20 mins via HP18).



Detection pattern and range in metres at floor level (detection pattern is cone shaped). Range to mounting height ratio is 1:1.75, i.e. at 8m height, the cone's diameter is 14m at the floor.



Incorporates simple scene-setting - up to six scenes can be set or recalled via user remote.



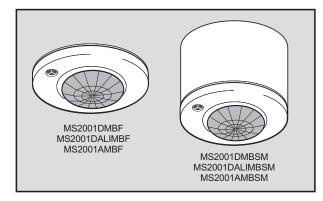
Remote programming via HP2000 (or HP18 with limited choice of parameters) ensures changes can be easily accommodated.



OneSwitch Dimming. Manual input to adjust light level or turn luminaires on or off.

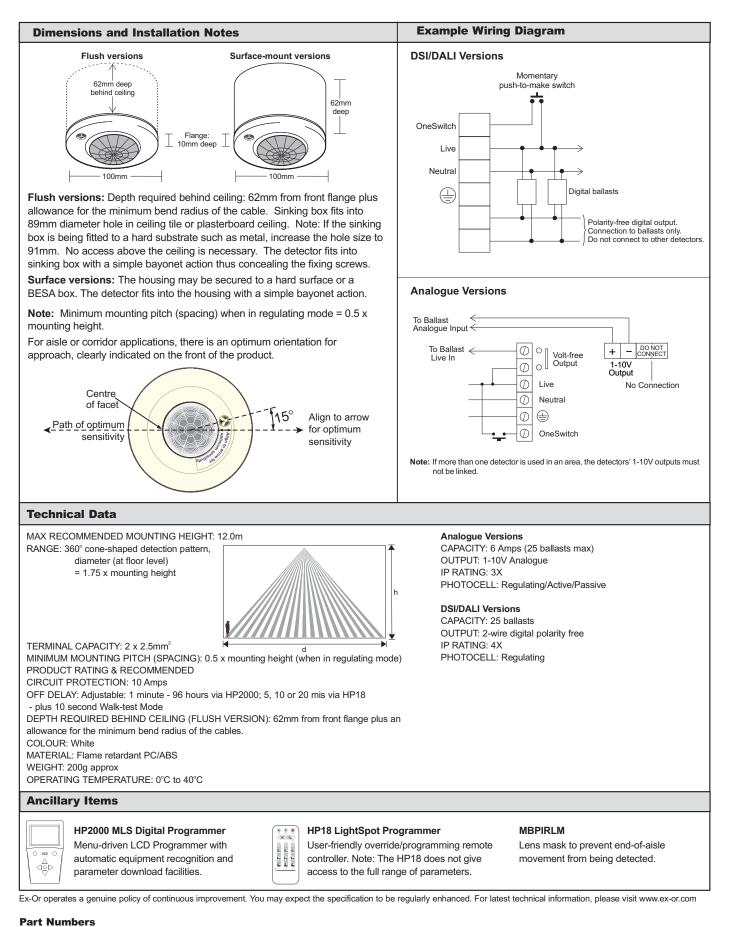


100-hour Burn-in. Inhibits dimming functions to allow new lamps to burn in. (Available on DSI and DALI version detectors and via HP2000 only.)



Programmable Parameters
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
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: 1 minute - 96 hours
Sets the period after the last observed movement when the lights switch off. (In
walk-test mode, Off Delay is 10 secs.) Pre-set: 20 mins
ON SENSITIVITY (DSI/DALI Versions) Options: 0-100
Sensitivity to movement when area is occupied. Pre-set: 100 (= max)
START LAMPS Options: Max/Min
Sets the level at which lamps strike when turning on. Pre-set: Max
ENTRY SCENE Options: Scenes 1-6
Sets which scene is recalled on entering unoccupied area. Pre-set: Scene 1
BRIGHT OUT Options: Yes/No
Movement will not refresh the off delay if ambient light exceeds 125% of set level.
Pre-set: No
DIMMING (DSI/DALI Versions) Options: 50-100%
Can be set to operate between 50% and 100% ballast output from max to a
bottom end limit when working on photocell control. Pre-set: Reg 100%
PHOTOCELL (Analogue Versions) Options: 50-100%, Passive,
Active, Disabled
Sets the regulating range of the ballast in daylight conditions. Manual override is
not affected. Pre-set: Reg 100%
LAMP MAX Options: 10-100%
Limits the absolute maximum ballast output. Pre-set: 100%
FADE TO OFF Yes/No
Can set lamps to fade to off instead of switching off. Pre-set: No
WHEN VACANT Options: Off/Min/Reg<25%/Scene 6
Determines behaviour of luminaires once the Off Delay has expired. Luminaires
can switch off or go to a pre-determined level for a chose duration: There are 3
light output options and 3 time choice. Note that 'Go to Scene 6' is available on
analogue versions only. Pre-set: Off
LOWER/UPPER THRESHOLD (Analogue Versions) Options: 0-254
Point at which photocell switches luminaires on/off. Pre-set: 254
SET-POINT LOW/HIGH (DSI/DALI Versions) Options: 0-1023
Low - aiming point as photocell adjusts ballast ouput. High - level above which
photocell switches its output off (only if Bright-out = Yes) Pre-set: 1023
100-HR BURN-IN (DSI/DALI Versions) Options: Burn-in/Cancel/Resume
Inhibits dimming functions - see Application Note AN4028 Pre-set: 0hr

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Mid-Bay LightSpot for DSI ballasts - flush Mid-Bay LightSpot for DSI ballasts - surface Mid-Bay LightSpot for DALI ballasts - flush Mid-Bay LightSpot for 1-10V Analogue ballasts - flush Mid Bay LightSpot for 1-10V Analogue ballasts - surface MLS Digital Programmer LightSpot Programmer Lens Mask