

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

Mid-Bay & Hi-Bay Integral Luminaire Controllers

LightSpot Luminaire Controllers are high-performance presence detectors with photocells for integration within luminaires and infill panels. The Mid-Bay controller is suitable for mounting at a height of up to 12m while the Hi-Bay controller can be mounted at up to 16m height. These controllers are available for DSI or DALI ballasts.



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



Off delay: Period following the last observed movement after which the lights switch off (via HP2000 - options differ on other Programmers).



Mid-Bay version: 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.



Hi-Bay version: 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.



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



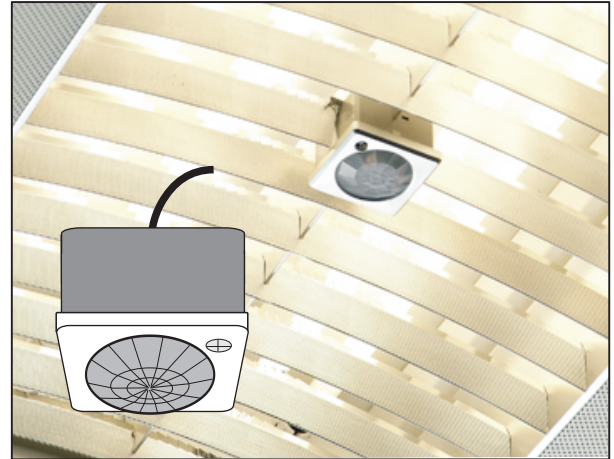
Hand-held Controller provides local user override.



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



100-hour Burn-in. Inhibits dimming functions to allow new lamps to burn in.



Ancillary Items



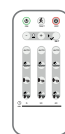
HP2000 MLS Digital Programmer

Menu-driven LCD Programmer with automatic equipment recognition and parameter download facilities.



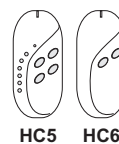
HP10 LightSpot Programmer

Infrared programming tool with 12 diode switches for the setting of individual parameters.



HP18 LightSpot Programmer

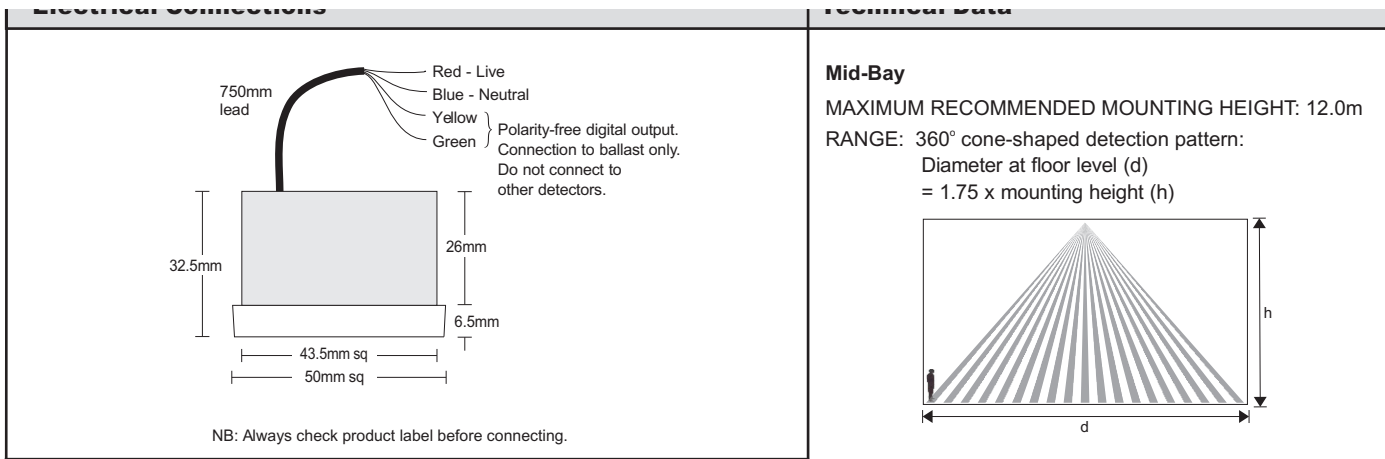
User-friendly override/programming remote controller. Note: HP18 is not compatible with analogue detectors.



HC5 Universal Hand-held Controller

HC6 Two-button Hand-held Controller

Please check www.ex-or.com to ensure this is the most recent issue - Ref: D4135A

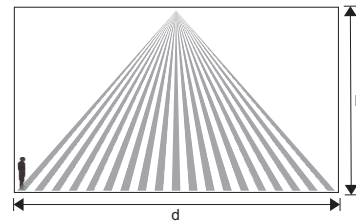


Mid-Bay

MAXIMUM RECOMMENDED MOUNTING HEIGHT: 12.0m

RANGE: 360° cone-shaped detection pattern:

Diameter at floor level (d)
= 1.75 x mounting height (h)

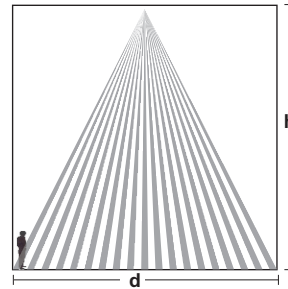


Hi-Bay

MAXIMUM RECOMMENDED MOUNTING HEIGHT: 16.0m

RANGE: 360° cone-shaped detection pattern:

Diameter at floor level (d)
= mounting height (h)



Both Types:

OPERATING VOLTAGE: 230V 50Hz (UK & Europe)

COLOUR: White bezel

OPERATING TEMPERATURE: 0°C to 55°C

CAPACITY: DSI Digital - 4 ballasts max

DALI - 1 ballast max

MATERIAL: Flame retardant PC/ABS

IP RATING: 4X

WEIGHT: 50g

Programmable Parameters	Selectable Options (Factory pre-set shown in bold)
Power up	On / Off
Response	Auto / Semi-Auto
Off Delay	5-35 mins / 10-sec Walk-test via HP10
	1 min to 96 hrs / Disabled / 10-sec Walk-test via HP2000
	5, 10, 20 mins / 10-sec Walk-test via HP18 20 mins
On Sensitivity	0-100 100
Start Lamps	Max / Min
Entry Scene	Select Scenes 1 - 6. Scene 1
Bright-out	Yes / No
Dimming	Reg 100-50% Reg 100%
	Sets the regulating range of the ballast in daylight conditions, i.e. at 100% the ballast can regulate over its full range, at 70% the ballast will not dim below 30% output. Manual override is not affected. Manual override is not affected.
Lamp Max	10%-100% 100%
Fade to Off	Yes / No
When Vacant	Switch Off after Off Delay
	Go to Minimum
	Regulate up to 25%
	Go to Scene 6
	} and do not switch off
	} for 3 hours then switch off
	} until building is vacated then switch off
Set-Point High	0-1023 Aiming point as photocell adjusts ballast output. 1023
Set-Point Low	0-1023 Level above which photocell switches its output off (only if Bright-out = Yes) 1023
Additional feature accessible under Utilities on HP2000:	
100-hr Burn-in	Inhibits dimming functions during burning-in of new lamps. 0hr

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

Part Numbers

MS1200DIMBW	Mid-Bay Luminaire Controller for DSI ballasts - white bezel
MS1200DALIMBW	Mid-Bay Luminaire Controller for DALI ballasts - white bezel
MS1200DIHBW	Hi-Bay Luminaire Controller for DSI ballasts - white bezel
MS1200DALIHBW	Hi-Bay Luminaire Controller for DALI ballasts - white bezel
HP2000	MLS Digital Programmer
HP10	LightSpot Programmer
HP18	LightSpot Programmer
HC5	Universal Hand-held Controller c/w wall bracket
HC6	Two-button Hand-held Controller c/w wall bracket