

MLS Digital - Networked Managed Lighting System

MLS Digital Mid-Bay Detector

Mid-Bay detectors offer energy-saving PIR presence detection at heights of up to 12m making them ideal for warehouses and industrial units. Coverage is on a 1:175 ratio, i.e. at 8m height, the detector's footprint is a 14m diameter circle. Mid-Bay features a range of programmable parameters so that operation can be tailored to your own particular requirements. Programming is carried out with an infrared programmer from ground level. A lens mask is available for end-of-aisle applications. Versions for DSI, DALI and 1-10V Analogue ballasts are available.

These Mid-Bay MLS Detectors can, if desired, operate within an overall MLS Digital Managed Lighting System.



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.)



Commissioning the Programmable Parameters

Operation of the system is determined by its commissioning. This is carried out using a menu-driven infrared remote programmer (HP2000) with virtually no disturbance to the building's occupants. Settings can be changed whenever required in the same way. The programmable parameters are shown overleaf in the order they are presented on the programmer. Options are selected from alternatives.

Ancillary Items



HP2000 MLS Digital Programmer

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

MBPIRLM

Lens mask to prevent end-of-aisle movement from being detected.

RB2000 Bus Power Supply A single Bus Power Supply synchronises and

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powers the bus for up to 200 MLS Controllers. It also provides a test facility. Units may be linked for larger installations and to provide a building-wide common zone. (RB2000LT Bus Power Supply Lite may also be used.)

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