WHERE YOU NEED IT, WHEN YOU NEED IT

with a lighting system for areas with limited occupancy, resulting in low running costs.

Movement Controlled Dimmable Lighting



Movement Controlled Dimmable Lighting

WITH THE EMPHASIS ON ENERGY EFFICIENT LIGHTING and the success of the MCDB Movement Controlled Dimmable Batten, Morgan-Hope Industries incorporated into a wider field of use. The principle of the Movement limited occupancy, resulting in low running costs. Whilst energy efficiency is a major criteria, the design technology also ensures that health and safety issues occupancy is not detected

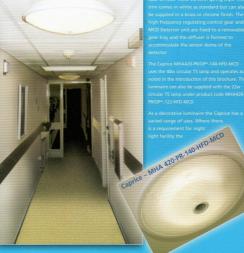
The Control System functions on pre-set parameters, based on 100% output during occupancy, approximately 50% reduction in output after 5 minutes of non detection of movement and in the region of an additional 40% reduction in output after a further 2.5 minutes of non-detection of movement. This will leave an approximate 10% of constant low level background lighting, in the ent an occupant is out of the range of the Controller. At any time during it's dimmed stage, should a movement be detected, then the light output wi equirements, however this can be adjusted by the factory if alternative setting

are required. The system is suitable for use in areas such as stock rooms. corridors, toilets, plant rooms and any other areas which are used infrequently, Savings on electricity consumed have been shown to average 75% although this naturally depends on the activity within the designated areas

Unlike centralised movement detection controllers that pick up zoned areas of lighting, the introduction of the Control into a broader range of the Morgan-Hope Luminaires, where each light fitting has its own dedicated controller. means movement is only detected within the locality of the individual fitting This ensures lighting is switched only where required but still providing an overall minimum light output for comfort, in those areas not occupied or ote corners of the room. It also provides the means of low cost security lighting in terms of a background light to indicate occupancy, thus deterring intruders, but with a fraction of the consumption of full output lighting

Caprice MCD Range

Slimline Circular Decorative Surface Mount Movement Controlled Dimmable Luminaire





MCDE

Movement Controlled Dimmable Batten

The Batten is designed for simplicity of installation, which is facilitated by a housing that is supplied in two sections. The back box is simply an empty shell that is fitted to the ceiling with a number of cable entry holes to suit existing wiring layouts. The front tray holds the gear and lamp holders and clips onto the back box without the need of screy fixings. To further enhance ease of installation there is a plug connector, for connection for the mains cable, that plugs into the fused socket on the gear tray for routine maintenance it is only a matter of unclipping and unplugging the gear tray from the back box, to carry out the required work at ground level.

The MCDB performs as noted in the introduction and is ideal for installation in stock rooms, back areas, plant rooms, warehouses and all areas used infrequently. The range and model references are as detailed:

MCDB136 = single 36w batten MCDB236 = twin 36w batten MCDB158 = single 58w batten MCDB258 = twin 58w batten

Other sizes and styles can be produced to special

The Gauntlet 2000 IP-MCD

A non corrosive surface mount Movement Controlled Dimmable

Manufactured with a polycarbonate body and the option of either an arrylic or polycarbonate diffuser, this luminaire is designed for applications where an IP rated non-corrosive fitting is required. The fitting is rated at IPBS – IPBT and is designed with an integrated dip system for diffuser and gear tray. In order to ensure the MCD Control unit, as noted in the introduction of this brochure, maintains maximum movement detection, it is fitted to the main body through a conduit connection and is positioned just below the diffuser. Whilst the Control Box itself is not IP rated, this does not break the IP integrity of the Luminaire.

the Gauntiet 2000 IP-MCD is ideal for installation in areas where a more robust uminaire is required such as food storage rooms plant rooms, warehouses, food manufacture and all areas used infrequently, needing an IP rated itting. The range and model references are as destalled.

Sauntlet 2000 IP-MCD218 = single 18W model
Sauntlet 2000 IP-MCD218 = twin 18w model
Sauntlet 2000 IP-MCD136 = single 36w model
Sauntlet 2000 IP-MCD236 = twin 36w model
Sauntlet 2000 IP-MCD258 = single 58w model
Sauntlet 2000 IP-MCD258 = twin 58w model

MoviDim

Movement Controlled Dimmable Sensor Unit

The MoviDim is a Sensor unit that provides all the facilities of the Controller fitted integrally to the MCD lighting range of Morgan Hope but is supplied in a remote housing for recessing in suppended reilings. Designed for Flush Mounting, the MoviDim will regulate light output based on occupancy and has the additional advantage that it can be linked to up to 25 x HFR Ballasts, to

a maximum of 10mA. This option will allow for a number of luminaires to be controlled by a single Movillom or if required up to a maximum of 5 sensors to simultaneously switch multiples of light fittings. For example, where there is an entrance at each end of a corridor consisting of say 6 fittings, then a Movillom sensor located by each door will switch all the lighting when the corridor is anteste from either end.

function with High Frequency Regulating/Dimmable Ballasts and no other for of control gear.

removini seriors is classification in reason where there is limited movement and equiring the control of multiple luminaires such s corridors, stock rooms, storage areas, tollets, aff rooms, offices and areas used infrequently. todel reference: MoviDim - For flush mounting to recessed ceilings to control light remotely.

Technical Data for Movement Controlled Dimmable Lighting

CONNECTION DETAILS REFERENCE LUMINAIRES INCORPORATING THE MOVEMENT CONTROLLED DIMMABLE CONTROL

ovement Controlled Diffilmation
with "HFR" – High Frequency Regulating/Dimmable
Ballasts.

Control to Ballast:

Ballast Control Signal -0V Ballast Control Signal + 10V

Ballast to Mains:

Time Delays

Output Rating

CAUTION: INCORRECT CONNECTIONS WILL CAUSE PERMANENT DAMAGE TECHNICAL DATA REFERENCE THE MOVIDIM SENSOR UNIT

Ballast Type: The MoviDim Sensor will only function with High Frequency Regulating/Dimmable Ballasts and no other

Ballast and Sensor unit Connection Details:

MOVIDIM SENSOR UNITS

Brown:

simultaneous triggering

Time Delays

re-triggered by movement

Output Rating

CAUTION: INCORRECT CONNECTIONS WILL CAUSE PERMANENT DAMAGE

Conformity Specification









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