

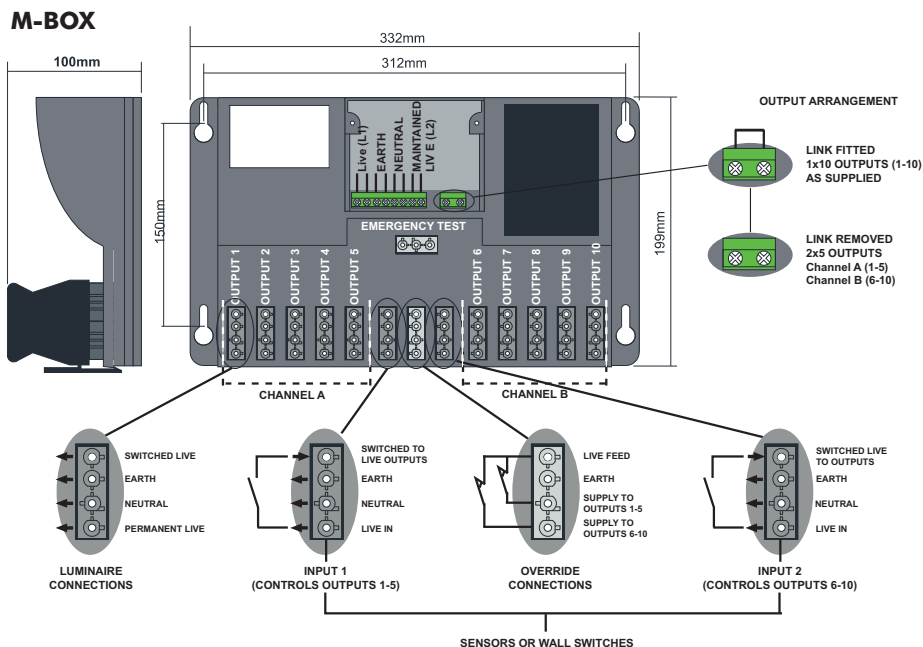


M-BOX (LCM)

The M-BOX lighting distribution system is a cost effective method of providing power and control for lighting installations in industrial, commercial and retail buildings.

The M-BOX marshalling unit is designed for ease of installation: the mains input is connected using the spacious wiring compartment with all control inputs and outputs using industry standard plug connectors. The M-BOX marshalling unit can be configured in a 2x5 or 1x10 format, providing control of up to 10 luminaires, via 1 or 2 sensors. Mounting is either directly onto the ceiling or the unit can be suspended via drop rods.

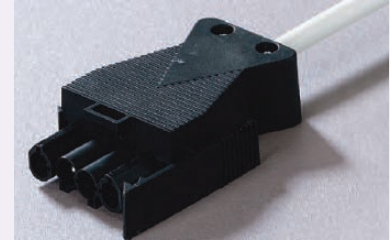
M-BOX presence detectors can be connected to reduce the amount of time lighting is left on unnecessarily, for example if an area is unoccupied or if there is sufficient natural light. There are two types of sensor available: a ceiling mounted passive infrared sensor capable of 5-7m detection range and a ceiling mounted microwave presence detector which can detect up to 30m.



The testing of emergency luminaries is simplified by connecting a key switch to the emergency test input on the front of the M-BOX unit. If a centralised emergency test is required a separate live input is provided in the terminal compartment. Local override of the detector/s is achieved by wiring a wall switch into the override connector on the front of the marshalling box allowing lighting in defined areas such as corridors to be held on.

- Presence detection – Energy saving
- Plug connections – Easy and quick to install
- No Programming – Simple setup
- 1/2 Channel switching - 2x5 or 1x10 Luminaire groups
- Emergency test – Simple test of emergency light fittings
- Manual override – User override of presence detection

All luminaire and control connections are pluggable to the front of the marshalling box using the 4-pole GST 18/4 connector system with a unique side latch, thus preventing accidental removal. Alternative 4-pole Wieland style GST connectors can be used providing they have a low profile hood.



Product	Available Options	Max Load (230 VAC)	Channels	Height	Width	Length	Fixing Centres
MBOX*	-	6A/3A*	2	100	332	199	312 x 150

*The M-BOX marshalling box is supplied with 2 presence detector/switch input connectors, 1 emergency test connector and 1 manual override connector. All luminaire connectors must be ordered separately.

Accessories	Code Suffix
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PIR & Photocell with 3m lead and plug	-MB-PIR
PIR & Photocell with 3m lead & plug and IR override	-MB-PIRIR
PIR User Remote Handset (on/off)	-MB-REM
Microwave Presence Detector & Photocell with 3m lead & plug	-MB-MVD
3.5m Luminaire Connecting Lead (4-pole)	-MB-35
5.5m Luminaire Connecting Lead (4-pole)	-MB-55



-MB-PIR



-MB-MVD

Spare connectors and special lead lengths are available on request
For further accessory technical information please refer to page 249 or request a datasheet.