

## Mains Distribution Assembly with Time Clock Control

To meet the growing demand for energy conservation we have introduced a 100A Mains Distribution Assembly with 8 no. TP outgoing ways, with 6 no. circuits automatically controlled from one programmable time clock. It is intended that the time clock controlled circuits supply transformers that feed non-emergency lighting circuits, whilst the 2 no. ways that are not controlled by the time clock feed transformers that are dedicated to Emergency Lighting Circuits (emergency fittings should be left permanently energised in order to avoid battery and tube damage through repetitive switching and also as a means to provide security and safety lighting).

### Type: B2/I100/MGPA8/TC-CC6

Mains Distribution Assembly manufactured in accordance with BS EN 60439-4.

### Enclosure

B2 series, wall mounting, sheet steel, providing protection to IP54. An optional stand is available.

Enclosure finished by a pre-treatment and finishing system which is Type Tested to BS EN 60439-4 for corrosion protection in heavily polluted environments. The standard shade top coat is Poppy Red.

### Incomer

100A TP isolator with solid neutral

### Distribution

Fitted with a Merlin Gerin 8W TP pan assembly fitted with 6 no. 32A TP Type "D" MCBs. 2 no. TP ways are spare and blanked off.

Each MCB feeds a 40A TP contactor. The six contactors are controlled by a common programmable time clock. Five of the contactors have individual timers to avoid all contactors from closing simultaneously. Thus avoiding the risk of the combined inrush current of the transformers being fed from tripping the 100A MCCB that is likely to supply this unit.

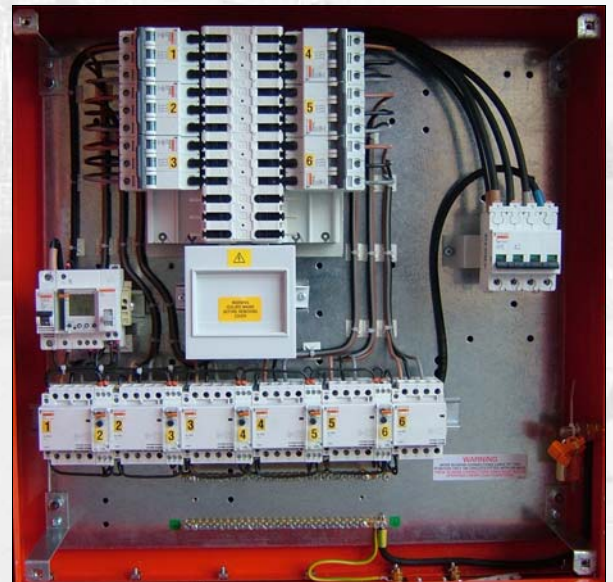
The time clock has a 72 hour battery so that settings are not lost during short power outages. An ON-OFF-AUTO switch is provided for manual control of the contactors

If more circuits are required to be "Unswitched" it is an easy task to disconnect contactors and terminate transformer feeds directly in to MCBs.

The above arrangement can be incorporated into higher rating MDAs. Other configurations can also be supplied.



External view with shield plate in-situ



Internal view with shield plate removed

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