# Type: M1MFM

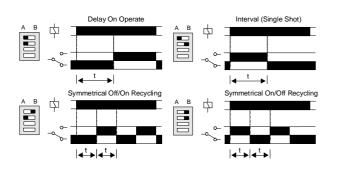
## Multi Function, Multi Voltage Timer

- □ 17.5mm DIN rail housing
- □ Delay On Operate, Interval, Symmetrical Recycling Off/On or On/Off
- Multi-voltage supply: 24 240V AC / DC
- ☐ Two time ranges available: 0.5secs 60mins or 5secs to 10hours\*
- □ DIP Switch facility allows one of 4 ranges to be selected
- □ 1 x SPDT relay output 8A
- LED indication for relay status

Dims: to DIN 43880 W. 17.5mm



FUNCTION DIAGRAM



#### • INSTALLATION AND SETTING



Installation work must be carried out by qualified personnel.

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as shown in the diagram below.

#### To set the unit:

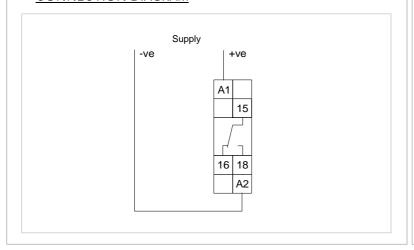
- Select the 'function' and 'time range' DIP switches (see below).
- · Set the 'delay' adjustment as required.



Apply power and the unit will operate according to the function selected.

#### Troubleshooting

- If the unit fails to operate as described, check the wiring is correct and the supply voltage is present.
- CONNECTION DIAGRAM



#### TECHNICAL SPECIFICATION

Supply voltage U: 24 - 240V AC / DC (AC: 48 - 63Hz)

Supply variation: 75 - 110% of U

Power

consumption: 3.5 VA @ 240V AC 0.8W @ 24V DC

Functions: Delay On Operate, Interval (Single Shot),

(user selectable) Symmetrical Off/On Recycling, Symmetrical On/Off Recycling

Time delay (t) \*:

Range 1: 0.5 - 15, 2 - 60 seconds

0.25 - 8, 2 - 60 minutes

Range 2: 5 - 150, 20 - 600 seconds 2.5 - 80, 20 - 600 minutes

\* Please specify range when ordering

Repeat accuracy:  $\pm 0.5\%$  @ constant conditions

Reset time: ≈ 100mS

Ambient temp: -20 to +60°C Relative humidity: +95%

Output: SPDT relay

Output rating: AC1 250V 8A (2000VA) AC15 250V 5A (no), 3A (nc)

DC1 25V 8A (200W)

Housing: Orange flame retardant UL94 VO

Weight:  $\approx 68g$ Mounting option: On to

On to 35mm symmetric DIN rail to

BS5584:1978 (EN50 002, DIN 46277-3)

> Or direct surface mounting via 2 x M3.5 or 4BA screws using the black clips provided on the rear of the unit

Conforms to UL, CUL, CSA & IEC

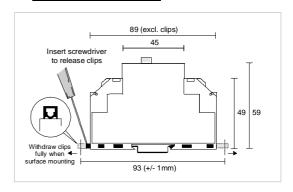
Terminal

Approvals:

conductor size:  $\leq 2 \times 2.5 \text{mm}^2 \text{ solid or stranded}$ 

CE and **C**Compliant

### MOUNTING DETAILS



Broyce Control Ltd., Pool Street, Wolverhampton, West Midlands WV2 4HN. England

M1MFM-1-A