

Supply Specifications

Power supply	Overvoltage cat. III (IEC 60664, IEC 60038)
Rated operational voltage through terminals:	
A1, A2 M24:	24 VDC ± 15% and 24 to 240 VAC + 10% -15%, 45 to 65 Hz
W24:	12 to 240 VDC + 10% -15% and 12 to 240 VAC + 10% -15%, 45 to 65 Hz ≤ 10 ms
Voltage interruption	
Consumption	
MFT02A12	< 3.5 VA
MFT02A24	< 3 VA

Time Setting

Upper knob:

Setting of function:

- Op - delay on operate
- In - interval
- Io - interval on trigger open
- Id - double interval
- Dr - delay on release
- R - symmetrical recycler
(ON first)
- Rb - symmetrical recycler
(OFF first)

Centre knob:

Time setting on relative scale:
1 to 10 with respect to the
chosen range.

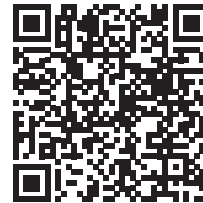
Lower knob:

Setting of time range

General Specifications

Power ON delay	≤ 100 ms
Indication for	
Power Supply ON	LED, green
Output Relays ON (flashing when timing)	LED, yellow
Environment	(EN 60529)
Degree of Protection	IP 20
Pollution Degree	2 (IEC 60664)
Operating Temperature	-25° to +60°C, R.H. < 95%
Storage Temperature	-30° to +80°C, R.H. < 95%
Housing	
Dimensions	17.5 x 81 x 67.2 mm
Material	PA66
Weight	75 g
Screw terminals	
Tightening torque	Max. 0.5 Nm according to IEC EN 60947
Approvals	cULus, RCM
Marking	CE, UKCA
EMC	Electromagnetic Compatibility
Immunity	According to EN 61000-6-2
Emissions	According to EN 61000-6-3

Questions? Scan the QR code to submit your inquiry.



Mode of Operation

Function Op Delay on operate

The time period begins as soon as the trigger contact is closed.

At the end of the set delay time the relay operates and does not release until the trigger contact is closed again or the power supply is disconnected. If the trigger contact is closed before the end of the delay time, the device resets and a new time period starts.

Function In Interval

The relay operates and the time period begins as soon as the trigger contact is closed. The relay releases at the end of this period or when the power supply is disconnected. The relay operates again when the trigger contact is closed again. If the trigger contact is closed before the end of the delay time, the device resets and a new time period starts.

Function Io Interval on trigger open

The relay operates and the time period begins as soon as the trigger contact is opened. At the end of the set delay or when the power supply is disconnected the relay releases. The relay operates again when the trigger contact is opened again. If the trigger contact is opened before the end of the delay time the relay keeps ON and a new time period begins.

Function Id Double interval

The relay operates and the time period begins as soon as the trigger contact is closed. The relay releases at the end of this period or when the power supply is disconnected. When the trigger contact is opened the relay operates again for the set delay period. If the trigger contact is opened before the end of the first time period the second one begins; if the trigger contact is closed before the end of the second time period the device resets and the first time period begins again.

Mode of Operation (Continued)

Function Dr Delay on release

The relay operates as soon as the trigger contact is closed. The time period begins when the trigger contact is opened. The relay releases at the end of the set delay time or when the power supply is disconnected. The relay operates again when the input contact is closed again. If it is opened before the end of the delay time the relay keeps ON, a new time period begins as soon as the contact is closed again.

Function R Symmetrical Recycler ON-time period first

The relay operates and the time period begins as soon as the input contact is closed. After the set delay period the relay releases for the same time period. This sequence continues with equal ON- and OFF-time periods until the power supply is interrupted.

Function Rb Symmetrical Recycler OFF-time period first

The time period begins as soon as the input contact is closed. The relay is OFF during the set delay period, after this time it operates for the same time period. This sequence continues with equal OFF- and ON-time periods until the power supply is interrupted.

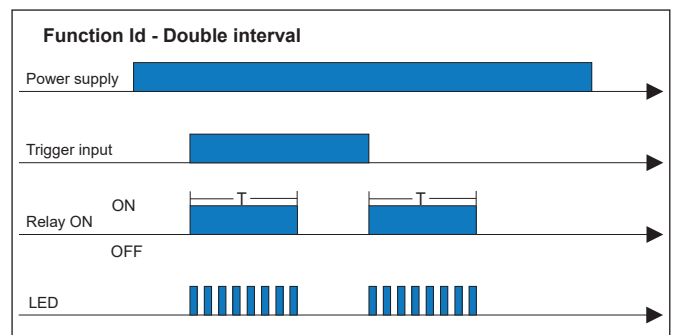
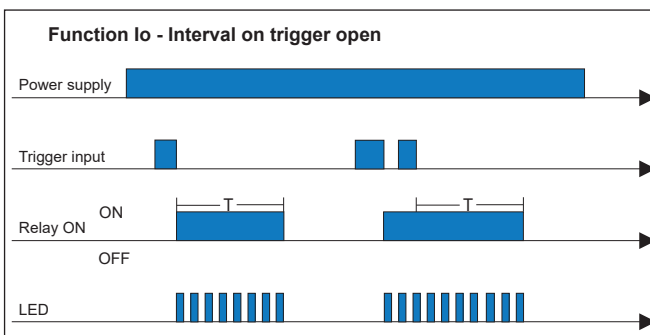
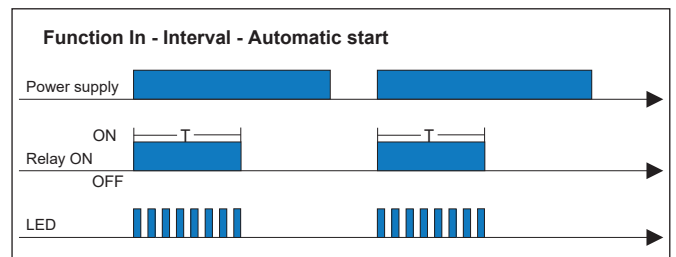
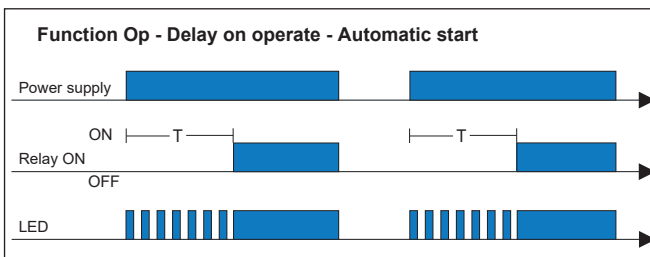
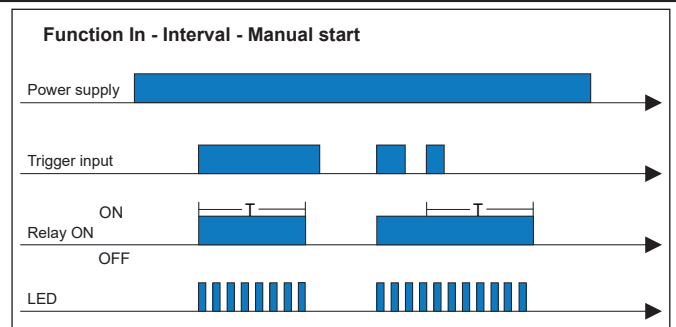
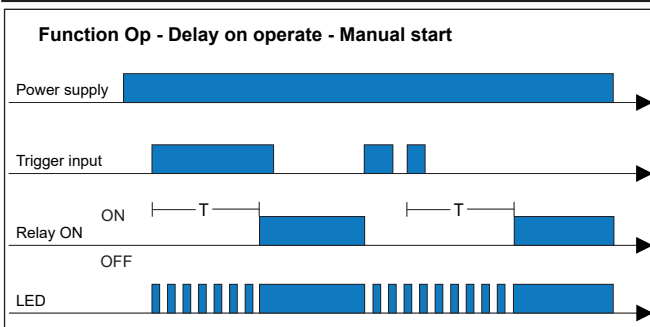
Additional Load

It's possible to wire an additional load (i.e. a relay) between pins Y1 and A2, driven by the trigger contact without damaging the device.

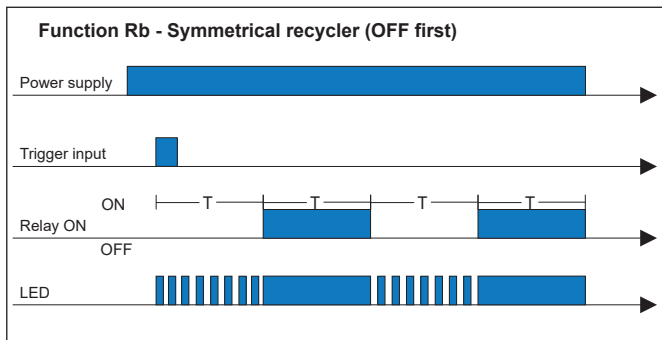
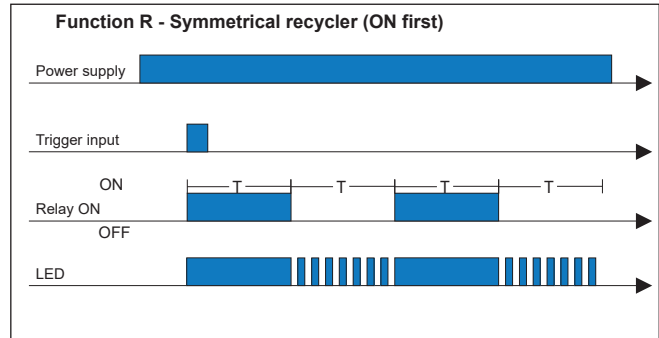
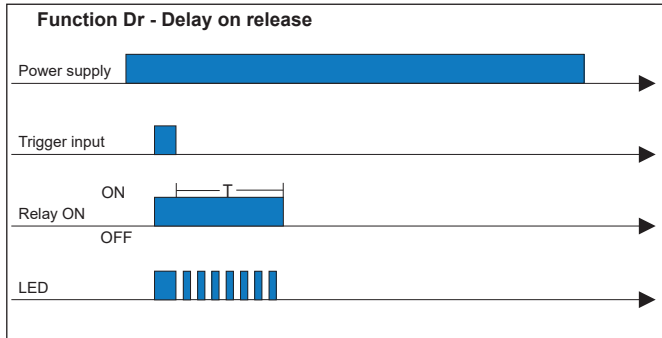
Yellow LED working mode

Timing: Slow blinking
Relay ON: See operation diagrams
Incorrect knobs position: Fast blinking

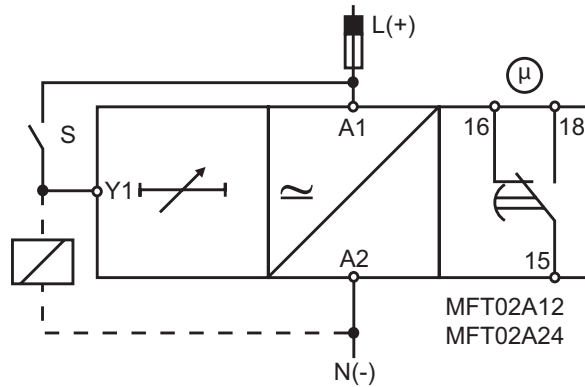
Operating Diagrams



Operating Diagrams



Wiring Diagram



Dimensions

