

RELAYS

MULTIFUNCTION, MULTIVOLTAGE TIMER // PREMIUM MFTP



Din rail mounting process timer in a din style housing. Multivoltage. 10 function. 16A changeover contact. LED indication for coil power and timer running.

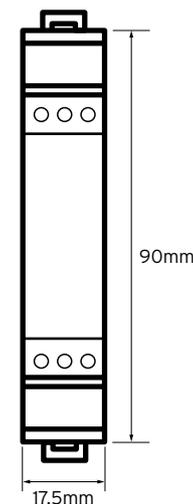
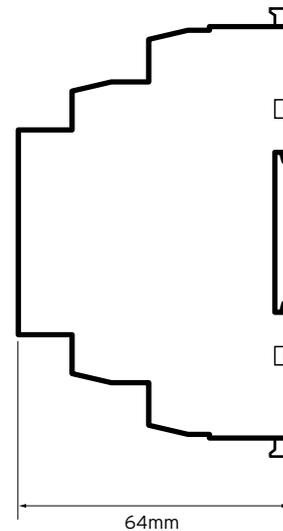
General Characteristics

Standards	EN61812-1 EN60947-5-1
Number of poles	1CO
Contact material	AgNi
Rated Current	16A
Rated Voltage	300V
Supply Voltage	12 - 240 V AC/DC
Supply Frequency	50/60 Hz
Reset time	200ms maximum
Repeat Accuracy	0.2% of set time
Coil tolerance	85 - 110 %
Mechanical life	20 000 000 ops
Electrical life	200 000 ops
Terminal Capacity	up to 2.5mm ²
Terminal type	Screw Clamp
Tightening Torque	0.7 Nm
Width	17.5mm
Height	90mm
Depth	64mm
Weight	62g

Timer Functions

A	ON delay
B	Interval
C	Flasher OFF start
D	Flasher ON start
E	OFF delay with control contact
F	Single shot leading edge with control input
G	Single shot trailing edge with control input
H	ON / OFF delay
I	Latching relay
J	0.5s Pulse

Technical Drawing



Additional Information

This product is for use by skilled persons or instructed persons. The installation of this product must comply with current IEE regulations. Terminals, including those factory fitted, must be checked for correct tightness before commissioning. All terminals should be periodically checked for correct tightness. The data herein serves only to describe the product and should not be regarded as representing guaranteed properties in the legal sense. We reserve the rights of modification, whilst every care has been taken in ensuring the accuracy of this catalogue, the Supplier accepts no liability whatsoever for any eventuality arising from errors or omissions within its catalogues, brochures or within any online presence.

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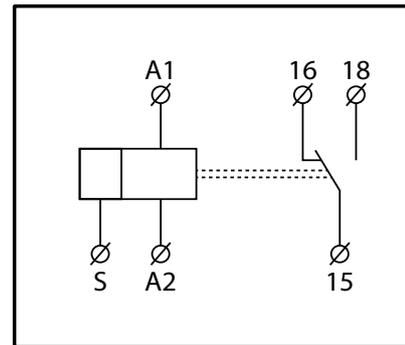
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Time Ranges

Minimum	Maximum
0.1s	1s
1s	10s
6s	60s
1min	10min
6 min	60min
1hour	10hour
0.1day	1day
1day	10day
ON	ON
OFF	OFF

Wiring Diagram



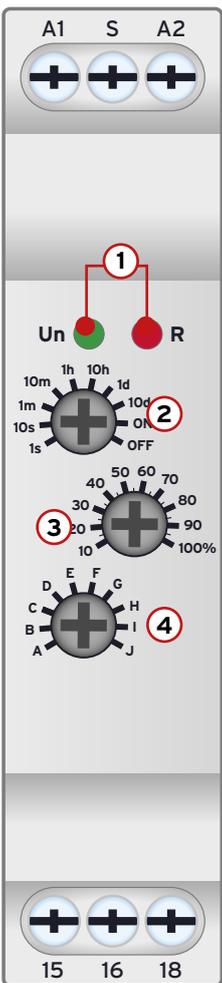
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Functions



- 1 Status indication
 Un: LED Green - Supply indication
 R: LED Red - Output indicator
- 2 Time Range
- 3 Setting of time range
- 4 Selection of the desired function

A - On Delay (Power On)



When the input voltage U is applied, timing delay t begins. Relay contacts R change state after time delay is complete. Contacts R return to their shelf state when input voltage U is removed. Trigger switch is not used in this function.

B - Interval (Power On)



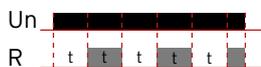
When the input voltage U is applied, relay contacts R change state immediately and timing scale begins. When time delay is complete, contacts return to shelf state. When input voltage U is removed, contacts will also return to their shelfstate. Trigger switch is not used in this function.

C - Repeat Cycle (Starting Off)



When the input voltage U is applied, time delay t begins. When time delay t is complete, relay contacts R change state for time delay t. This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.

D - Repeat Cycle (Starting On)



When the input voltage U is applied, relay contacts R change state immediately and time delay t begins. When time delay t is complete, contacts return to their shelf state for time delay t. This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.

E - Off Delay (S Break)



When the input voltage U is applied, relay contacts R change state immediately and time delay t begins. When time delay t is complete, contacts return to their shelf state for time delay t. This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.

F - Single Shot Leading Edge



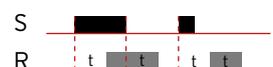
Upon application of input voltage U, the relay is ready to accept trigger signal S. Upon application of the trigger signal S, the relay contacts R transfer and the preset time t begins. During time-out, the trigger signal S is ignored. The relay resets by applying the trigger switch S when the relay is not energized.

G - Single Shot Trailing Edge



Upon application of input voltage U, the relay is ready to accept trigger signal S. Upon application of the trigger signal S, the relay contacts R transfer and the preset time t begins. At the end of the preset time t, the relay contacts R return their normal condition unless the trigger switch S is opened and closed prior to time out t (before preset time elapses). Continuous cycling of the trigger switch S at a rate faster than the preset time will cause the relay contacts R to remain closed. If input voltage U is removed, relay contacts R return to their shelf state.

H - On/Off Delay



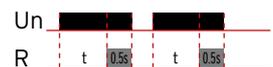
Input voltage U must be applied continuously. When trigger switch S is closed, time delay t begins. When time delay t is complete, relay contacts R change state and remain transferred until trigger switch S is opened. If input voltage U is removed, relay contacts R return to their shelf state.

I - Latching Relay



Input voltage U must be applied continuously. Output changes state with every trigger switch S closure. If input voltage U is removed, relay contacts R return to their shelf state.

J - Pulse Generator



Upon application of input voltage U, a single output pulse of 0.5 seconds is delivered to relay after time delay t. Power must be removed and re-applied to repeat pulse. Trigger switch is not used in this function.

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