

Technical Specifications:

- Microprocessor-based.
- Operating temperature: between -5°C and +55°C.
- Supply voltage: 220 VAC $\pm 20\%$ (L-N) / 24 VAC/DC $\pm 10\%$ (B1-N)
- Time range: 0.06 sec – 30 hours
- Cable cross-section: 1x 0.5–4 mm²
- Screw tightening torque: 0.5 Nm
- Complies with IP20 EN 60529 standards
- Operating frequency: 50–60 Hz
- Control output: 1 changeover (SPDT), 10A / 250 VAC
- Power consumption: < 7A
- Electrical life: 100,000 switching cycles (resistive load)
- Mounts on DIN rail according to EN60715 (TH35)

Warnings for Safe Use and Installation:

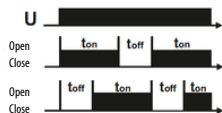
- Disconnect all supply voltage before performing any operation on the device.
- Do not energize the device before mounting it onto the panel.
- Check that all connections are correct before operating the device.
- In case of any malfunction, contact your authorized dealer.

General: The TMR-M2-10H multifunction asymmetric relay has 6 ranges. The ON and OFF times can be adjusted independently. It has a wide supply voltage range of 220 VAC – 24 VAC/DC.

Operation and Working Principle:

- **OFF Time Setting (t-off):** Adjusts the duration for which the relay remains OFF within the selected range.
- **ON Time Setting (t-on):** Adjusts the duration for which the relay remains ON within the selected range.
- **Range Setting (Range):** Determines the operating time range. Specified in Table-1.

Function Diagram:



• Starts with "ON" when terminal 5 is connected to the U end.

• Starts with "OFF" when terminal 5 is connected to B2.

• ton: ON duration

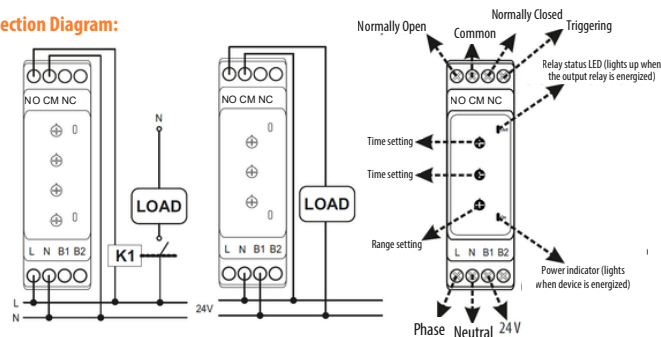
• toff: OFF duration

• U: Supply voltage

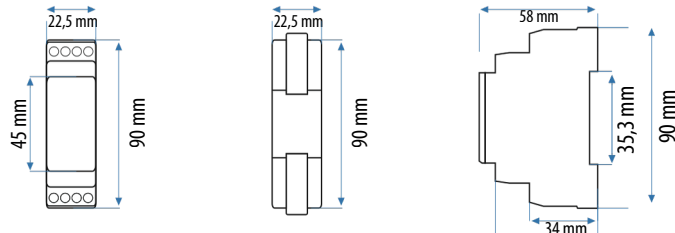


Table-1	Max. Süreler	Zaman Ayarı	
Range	ON / OFF	ON	OFF
A	60 sec / 60 sec	k1 x 60 sec	k2 x 60 sec
B	10 min / 60 sec	k1 x 10 min	k2 x 60 sec
C	60 min / 60 sec	k1 x 60 min	k2 x 60 sec
D	10 min / 10 min	k1 x 10 min	k2 x 10 min
E	60 min / 60 min	k1 x 60 min	k2 x 60 min
F	10 h / 10 h	k1 x 10 h	k2 x 10 h

Connection Diagram:



Dimensions:



Assembly:

