



## Technical Specifications:

- Microprocessor based
- Operating ambient temperature:  $-5^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$
- Supply voltage:  $220\text{ V AC} \pm 20\%$  (L-N) -  $24\text{ VAC/DC} \pm 10\%$  (B1-N)
- On-delay time (t-on):  $0.3 \dots 30$  seconds (adjustable)
- Cable cross-section:  $1 \times 0.5 - 4\text{ mm}^2$
- Screw tightening torque:  $0.5\text{ Nm}$
- Protection class: IP20 (EN 60529)
- Operating frequency:  $50-60\text{ Hz}$
- Control output: 1 changeover (SPDT),  $10\text{ A} / 250\text{ V AC}$
- Power consumption:  $< 7\text{ VA}$
- Electrical life: 100,000 switching operations (resistive load)
- Weight:  $90\text{ g}$

## Safety Warnings for Safe Use and Installation:

- Disconnect all supply voltages before performing any operation on the device.
- Do not remove the front panel while the device is connected to the mains.
- Check that all connections are correct before operating the device.
- In case of any malfunction, contact your authorized dealer.

## General:

TMR-0-30S on-delay time relays are widely used in industrial applications thanks to their wide supply voltage range of  $220\text{ VAC} - 24\text{ VAC/DC}$  and their on-delay timing function.

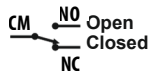
## Usage and Operating Principle:

When the supply voltage is applied, the preset t-off delay time starts counting. After the t-off time has elapsed, the relay output switches to the ON position. The relay remains energized as long as the supply voltage is present. If the supply voltage is interrupted before the t-off time expires, the elapsed time is cleared. When the supply voltage is applied again, the t-off time starts counting from the beginning.

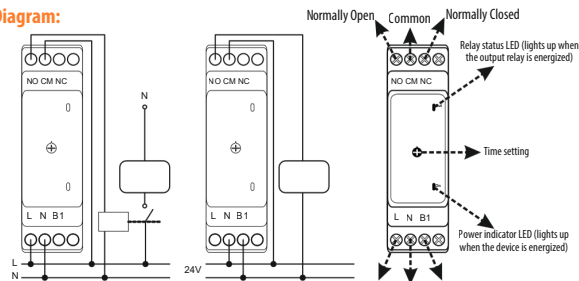
## Function Diagram:



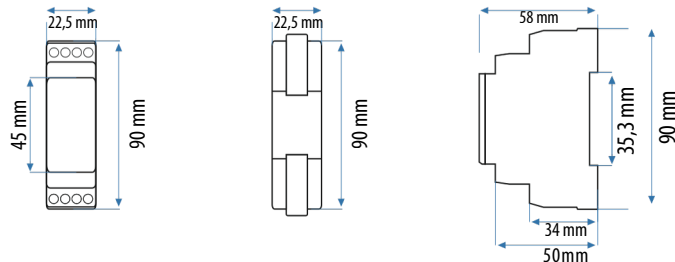
## Relay Contacts:



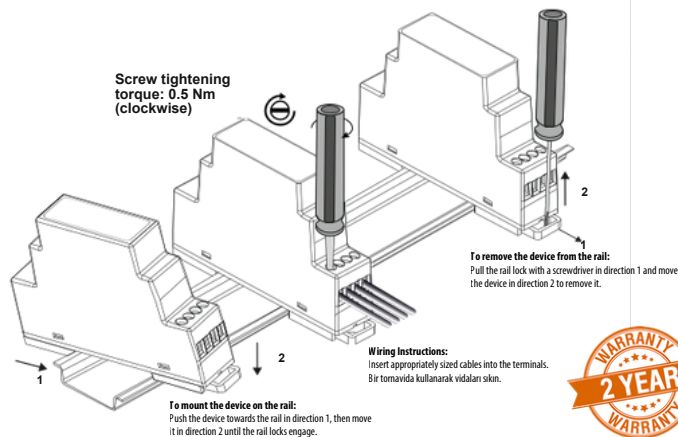
## Connection Diagram:



## Dimensions:



## Assembly:



**Wiring Instructions:**  
Insert appropriately sized cables into the terminals.  
Bir tornavida kullanılarak vidaları sıkın.

**To mount the device on the rail:**  
Push the device towards the rail in direction 1, then move it in direction 2 until the rail locks engage.