

General

The TBM-50DIN dishwasher relay is designed for use in the control of industrial dishwashers.

Using Manual and Working Principle

Connect the device according to the connection diagram.

Adjust the **rinsing time** with the adjustment knob on the device.

To set the **washing time**, short-circuit the Tout end with one of the appropriate terminals. (Tm1 (30sec.), Tm2 (60sec.), Tm3 (90sec.), Tm4 (120sec.)) When the device is energized, the LED associated with the set wash time is lit. The washing led lights and the washing motor is energized (Phase at input A1). After the washing time has elapsed, the washing led goes off and the washing motor is de-energized. After 10 seconds the device switches to counting the rinsing time set. During the rinsing period, the motor is energized and the rinse led on the device is on (Phase at input A1). After the rinsing time has elapsed, the rinsing led goes off and the rinsing motor is de-energized.

Note 1: The washing or rinsing motors will not be energized if the device is energized before adjusting the wash time. If one of the time terminals is not short-circuited to the Tout terminal.

Note 2: Do not apply external energy to the terminals Tout, Tm1, Tm2, Tm3, Tm4 and Tm5.

Note 3: The washing and rinsing outputs of the appliance are supplied from the A1 input.

Wash, Waiting and Rinse Time Table

Washing Times	Waiting Time	Rinsing Time
Tout - Tm1 = 30 sec. Tout - Tm2 = 60 sec. Tout - Tm3 = 90 sec. Tout - Tm4 = 120 sec. Tout - Tm5 = 180 sec.	10 sec.	1 sec. - 30 sec. Adjustable

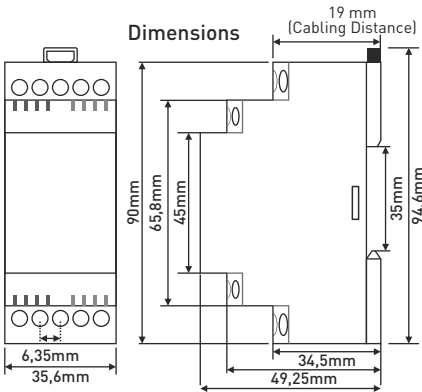
Warnings

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

Maintenance

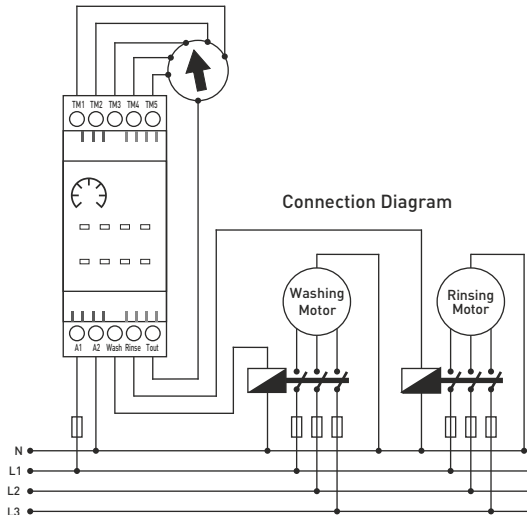
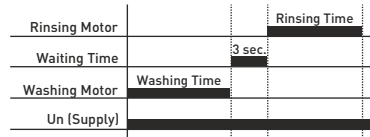
Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. make sure device works after cleaning.

Dimensions



Technical Specifications

Operating Voltage : 150V - 260V AC 50/60Hz.
 Display : 7x LED
 Operating Power : <6VA
 Operating Temp. : -20°C.....+55°C
 Connection Type : Terminal connection
 Mounting : Assembled on DIN rail.
 Weight : Max. 300gr.
 Contact : 5A 250VAC Resistive Load
 Operating Altitude : <2000m
 Cable Diameter : 2,5mm²



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