INSTRUCTION MANUAL

MTD2

ANALOGUE TIMER

1. GENERAL DESCRIPTION

The MTD2 Analogue Timer is highly efficient, designed for controlling electrical installations through daily programs. Suitable for diverse applications, it requires professional installation by authorized personnel, preferably in distribution boards following EN 50022 standards. To ensure optimal performance, users should be cautious of strong electromagnetic fields during installation, following specific recommendations to avoid interference. The programming process involves setting the pins for desired connection times, enabling precise automation.

In manual mode, the switch offers two positions, allowing users to choose between **24HR PROGRAM AUTO CONTROL** and **PERMANENT CONTROL ON**. With technical features such as a quartz movement, 96-pin daily dial, and a backup time of 100 hours, the MTD2 Timer provides reliable and accurate time-based control. Additionally, a comprehensive wiring connection diagram is provided for proper installation. It's important to note that for loads exceeding the rated capacity, users must integrate the timer with magnetic contactors to ensure both functionality and safety in operation.

2. INSTALLATION

Attention! Electrical devices must be installed and assembled by an authorized installer. The timer should be installed in distribution board cabinets made of 35mm symmetric sections in accordance with EN 50022.

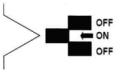
VERY IMPORTANT: The timer is protected internally against interference by a safety device, however, particularly strong electromagnetic fields may alter its operation.
Such interference can be avoided by adhering to the following recommendations during the installation:

- The timer should not be installed near inductive loads (motors, transformers, contactors, etc...)
- A separate power line is recommended (equipped with a network filter if necessary).
- Inductive loads should be equipped with interference suppressors (varistor, RC filter).

If the timer is to be used in combination with other devices; it is necessary to verify that no parasitic disturbances will be caused by the group.

3. PROGRAMMING

Move the pins to the right (OFF), move the pins to the left (ON) corresponding to the desired times of the connection which 1-2 will be closed.



4. MANUAL MODE

2 Positions:

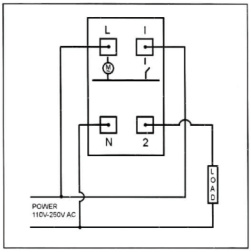
◷ : 24HR PROGRAM AUTO CONTROL
I : PERMANENT CONTROL ON

5. HOUR UPDATING

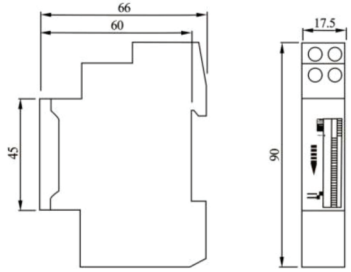
Turn the dial until the index is on current time

7. WIRING CONNECTION DIAGRAM

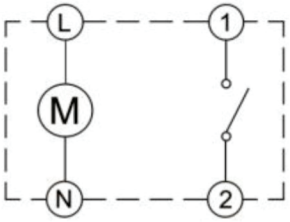
When the timer is used for load exceeding the rated capacity it is imperative that the timer should be used in combination with one or more magnetic contactors according to each load.



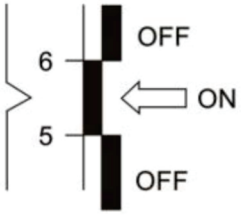
8. DIMENSIONS



CONNECTION



PROGRAMMING DIAL



Attention:

This unit incorporates a battery which contents can be harmful to the environment. Please do not throw it away without removing the battery and putting it in the proper container for recycled batteries.

9. General Specifications

Basic Functions	Range
Auxiliary Power Supply	230V AC = 10% 45/60Hz
Switching Contact	16(4)A / 250V AC
Power Consumption	0.5W
Operating Accuracy	±3sec/day at 22°C
Battery Back-up	100 hours
Type of Dial	Daily 96 Pins
Minimum setting interval	Daily 15 Minutes
Temperature	Working: (-10°C to 50°C) Storage (-25°C to 70°C)
Manual Operating Switch 2 Positions	ON - Automatic & Permanent
Movement	Quartz
Terminal Wires	2x2.5mmq
Sealable Front Dimensions	1 DIN
Protection Grade	IP20 as per EN-60529
Protection Class	ll as per EN60335 under correct assembling conditions
Standards	EC669-1; EN-60730

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