

TMA116 Analogue Timer

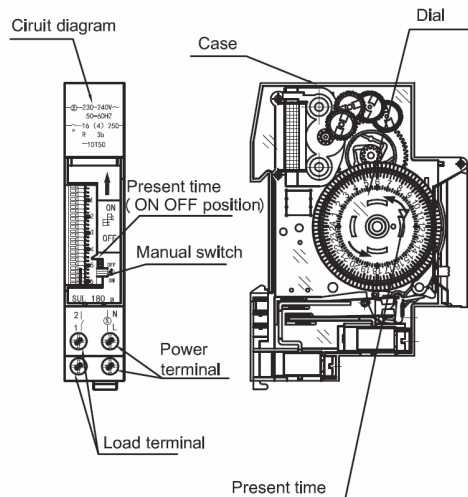
Features

- Analogue
- Quartz Controlled
- NI-MH Rechargeable Backup Battery
- Battery Life: 72 Hours
- 1 Pole DIN Rail Mount
- 24 Hour, 7 Day, Weekly Programmable Timer
- 15 Minute Increment ON/OFF Program Setting

Specifications

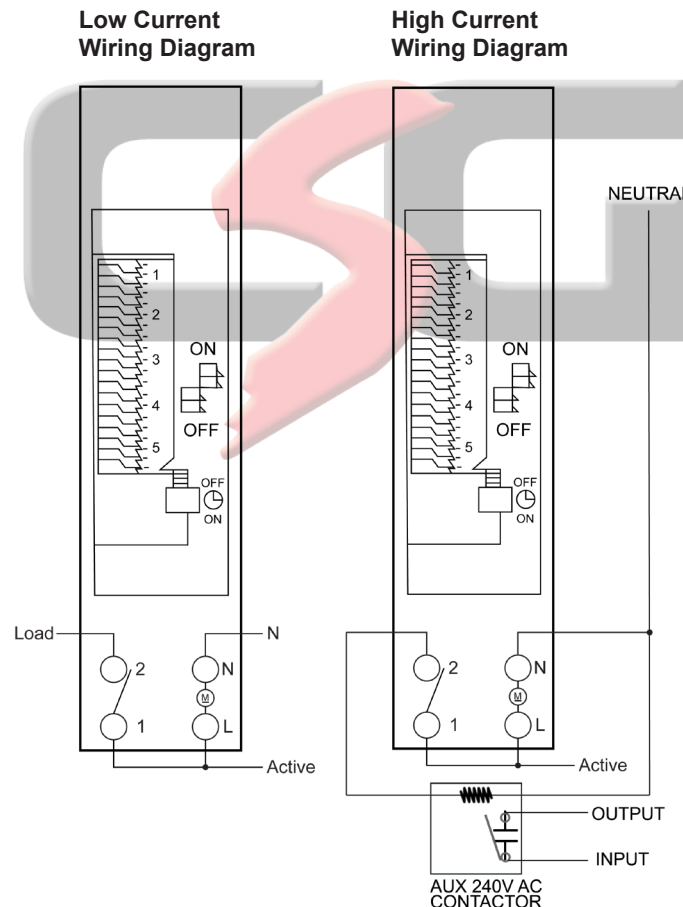
- 240V AC
- Frequency: 50Hz
- Drive Method: Quartz Controlled
- Accuracy: +/- 3 sec/day (22°C)
- Cycle: 24 Hours
- Power Consumption: 1W
- ON/AUTO/OFF Switch
- Load Capacity:
 - Resistive Load: 240V AC 16A
 - Incandescent Lamp: 1000W
 - Inductive: 240V AC 4A
 - Energy Saving Lamps: 150W
- Time Setting
 - ON/OFF Program Setting: 15 Minutes
 - Min. Interval: 15 Minutes
 - No. ON/OFF Operations: 96 Operations
 - Ambient Temperature: -10~+50 °C
 - Ambient Humidity: Max 85%
- Utilization Category: AC1:16A, AC15:8A

Panel Diagram



Wiring Diagram

WARNING - This device is NOT protected against the inrush current caused by capacitive charge loads of luminaries nor the startup inrush current caused by compressor or motor inductive loads. In this case, it is critical that this device be wired to operate a separate contactor of the necessary rating (not supplied) to control power to the connected load as described in the Wiring Diagram below. Failure to do so will void warranty and cause premature failure of the device. In nearly all cases, manufacturers do not advertise the inrush current of capacitive charge loads, inductive compressor or motor loads. Therefore, it is the installers responsibility to contact the manufacturer of the connected load to determine if this device is suitably rated.



OPERATING INSTRUCTIONS

1. Setting the ON/OFF Time (Fig 1):

Positioning the incremental time setting toggles to the right will trigger an ON time. Conversely, positioning the time setting toggles to the left will trigger an OFF time. In Figure 1 example, the timer is set to switch on at 2:00, and off at 3:00. It will turn back on at 4:00 and off again at 6:00. The current time is 4:30.

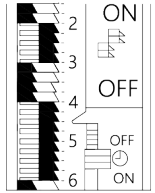


Figure 1.

NOTE: For ON times of more than 15 minutes, please ensure the incremental time toggles between the ON time and the OFF time are also positioned to the right.

2. Setting the Current Time (Fig 2)

Turn the dial until the index pointer corresponds to the current time.

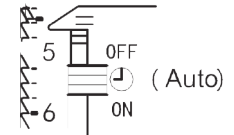


Figure 2.

3. Setting Auto ON/OFF (Fig 2)

Slide the OFF/Auto/ON switch to Auto.

Relay contacts will open as programmed at Point 1 above.

4. Manual Override (Fig 2):

I. Set the OFF/Auto/ON switch to ON. Auto ON/OFF times are overridden, and the device will remain in the ON state until either set to OFF or Auto.

II. To deactivate the device, set the OFF/Auto/ON switch to OFF.

5. Battery Back Up

The battery back up allows for an operating reserve time of 72 hours once mains power has been interrupted. If interruption to mains power supply greater than 72 hours has caused the back up battery to completely discharge, then please ensure that once the device is reconnected to mains power, that a period of 10 minutes has passed before setting the current time. Full battery power reserve will be achieved after the device has been connected to mains power for 72 hours.