



RMG AUTOMATION

+91 9940594413

ANALOG CYCLIC TIMER

Model : ACT



User Manual



1. INTRODUCTION

Analog Cyclic timer is used to switch ON & OFF the electrical devices at particular equal or unequal time duration. There are two Rotary switches provided to set ON & OFF time and it is adjustable from approximately 5 minutes to 5 hours. It is widely used for Hydroponic Systems, Fogger Systems, Irrigation, Lawn Sprinkler, Drip House, Motor Pumps, Intelligent Control of lighting Equipment, Fish Aquarium, Street Lamps, Garden Lights Decorative Lighting, Boarding Lighting, Glow Sign Board And Outdoor Lighting, Neon Signs, Household Electrical Appliances etc.

2. DESCRIPTION

- **Power ON/OFF switch:** used to switch ON or switch OFF the Timer unit.
- **Power ON LED:** shows power ON/OFF status.
- **ON TIME LED:** It indicate that, the electrical device which is connected to timer relay is in ON.
- **OFF TIME LED:** It indicate that, the electrical device which is connected to timer relay is in OFF.
- **ON TIME Rotary Switch:** to select ON time for device.5 minutes to 5 hours range available.
- **OFF TIME Rotary Switch:** to select OFF time for device.5 minutes to 5 hours range available.

3. TOOLS REQUIRED

- Multi-strand 1.5 Sq.mm copper power cable
- Insulation tape
- Line tester
- Wire stripper
- Simple hammer
- Drill gun
- Wooden Gattas
- Screws for mounting unit on wall

4. INSTALLATION PROCEDURE

Caution: Switch off the main power while doing the Power Connection Steps.

Step 1: Wall mount the timer nearby the switch of electrical device which requires timer operation..

Step 2: As per the model purchased, check the label and connect AC supply (230V / 440 V) to red and black wire of timer refer figure 1 or figure 2.

Step 3: For switch or MCB, Connect blue pair wire to the switch/MCB of the load in parallel as shown in figure1.

Step 4:For motor starter, Connect blue pair wire to ON button of starter in parallel and black pair wire to OFF button in series(Refer to figure.2 and figure.3)

Note: In case of doubts please call 044 - 43180017 or What's App 9940594413 from Monday to Saturday 10 am to 6 pm.

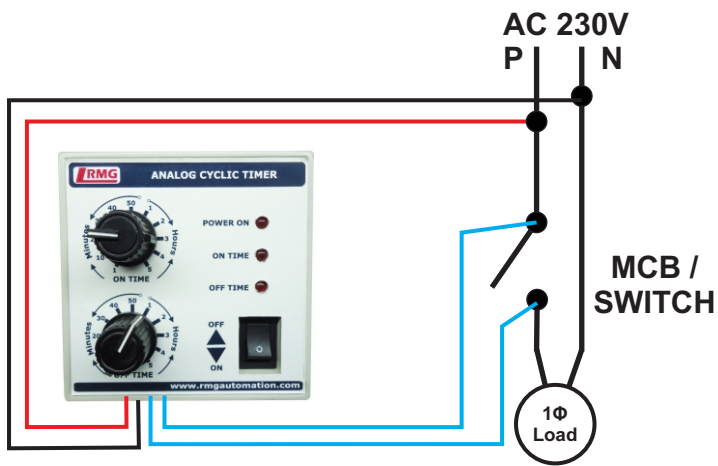


Figure1: 1Φ SWITCH/MCB

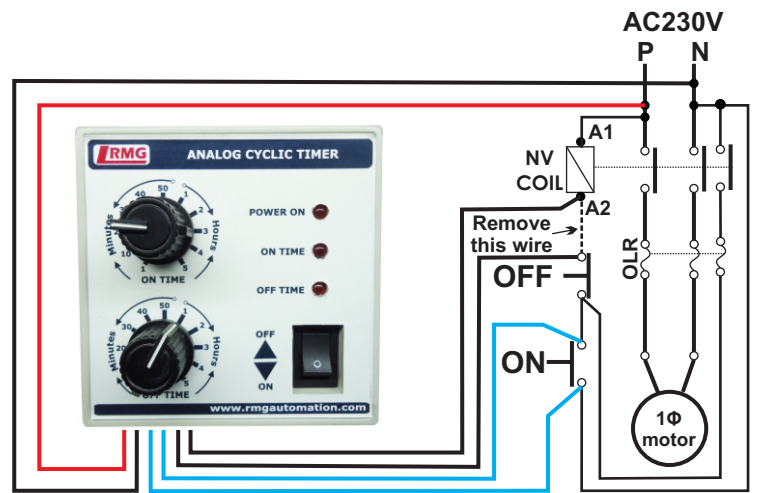


Figure3: 1Φ Starter

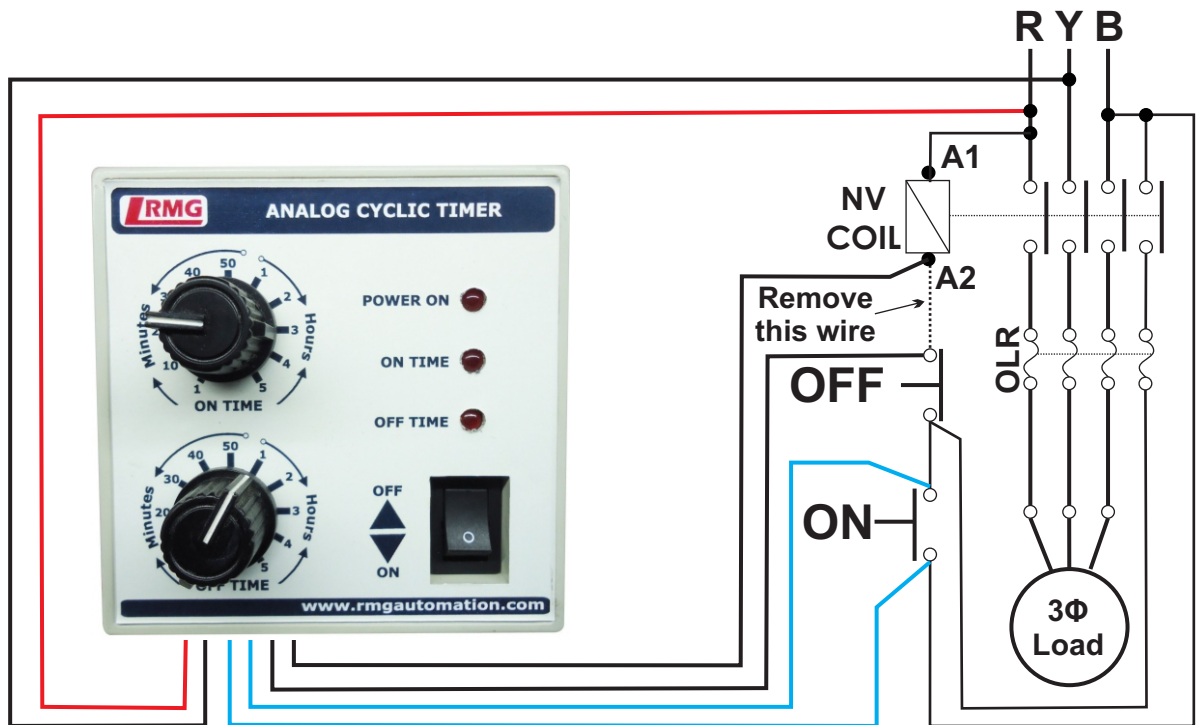


Figure2: 3Φ Starter

5. OPERATING PROCEDURE

- Keep the timer in OFF Condition.
- Using ON TIME and OFF TIME rotary switches set the desired ON time and OFF time.
- Power ON the timer now using Power ON/OFF switch and you can see the ON operation starts first and then the OFF operation next. During ON operation ON TIME LED will be ON and during OFF operation, OFF TIME LED will be ON.

Note: There is no inbuilt memory to resume the operation at the time of power failure. The product starts the ON operation from the first in such case.

6. TROUBLE SHOOTING METHODS

#	Error	Solutions
1	Device dead / Not Powered ON	a. Check the power connection wires for loose contacts. b. If problem continues, send the product to the given address for service.
2	Load continuously ON	a. Check whether the load switch is in ON condition. If yes, keep the switch in OFF position. b. If problem continues, the relay would have failed and send the product to the given address for service.



RMG AUTOMATION is an Original Equipment Manufacturer (OEM) of home/industrial automation products. We are specialist in providing customized solutions and deal the following products.

- **Wired/Wireless Water Level Indicator**
- **Wired/Wireless Water Level Controller**
- **Real Timer / GSM Water Level Controller**
- **Wireless IR/RF/Mobile Remote Switch**
- **Single/Three Phase Starter Panels**
- **Single/Three Phase Ro Control Panels**
- **Single/Three Phase Gsm Mobile Starter**
- **Analog/Digital/Stop Timer**
- **Real Time/Sequential Switch**
- **Automatic Bell / Light Timer**
- **IOT Remote Monitor / Controls**
- **GSM Switch/Gate Opener/Alert**
- **Digital Clock/counter**
- **Single/Multi Color LED Display**