RMG AUTOMATION
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Digital ON/OFF/Cyclic Timer

Model : DNFCT

User Manual

Version 2.0-10/22

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1. INTRODUCTION

This Digital On/OFF/Cyclic timer is a very flexible timer allowing you to digitally set the desired On and Off time periods independently. The timer stores the current settings in non-volatile EEPROM memory, so no need to program again. Also stores the running time in EEPROM to continue the remaining time once power resume. Time ranges from 1-999 seconds, 1-999minutes & 1-999 hours.

Once the timer has been configured with the required time periods, the timer will start counting down displaying the remaining time of the current period. An LED will indicate whether the timer is in the On period or the Off period.

The timer stores the preset time periods and current settings in non-volatile EEPROM memory, so the last preset time periods are easily recalled even if power is disconnected from the unit. The bright LED display as well as three push buttons are incorporated right on the board allowing it to be panel-mounted easily.

2. DESCRIPTION

- **Power ON/OFF switch:** This switch is provided at the right side to switch ON or switch OFF the Timer unit.
- **POWER LED:** It indicates the power supply to the unit.
- **RELAY LED:** It indicates the electrical device which is connected to timer relay is in ON condition.
- **Seven Segment Display :** Displays settings/status of the timer.
- **Sec.,Min.,Hours. LEDs:** Indicates the selected/running time
- **SET key:** It is used for entering the menu and to save the settings.
- **NEXT key:** It is used for moving to the NEXT options like Menu, Successive locations.
- **INC key:** Used to set the values in date, time, password.
- **Timer Modes:** There are 4 modes of operation.

ON mode: The load connected will be ON for the Programmed Time period and then gets switched OFF.

OFF mode: The load connected will be OFF for the Programmed Time period and then gets switched ON

. **ON-OFF CYCLIC:** The load connected will be ON for the programmed-on period and then gets switched OFF for the programmed off period. This sequence will repeat in a cyclic pattern.

OFF-ON CYCLIC: The load connected will be OFF for the programmed off period and then gets switched ON for the programmed-on period. This sequence will repeat in a cyclic pattern.

3. TOOLS REQUIRED

- Multistrand power cable
- Insulation tape
- Wooden Gattas
- Line tester
- Wire stripper
- Simple hammer
- Drill gun
- 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/MCB 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.

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

Step 4: For 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.

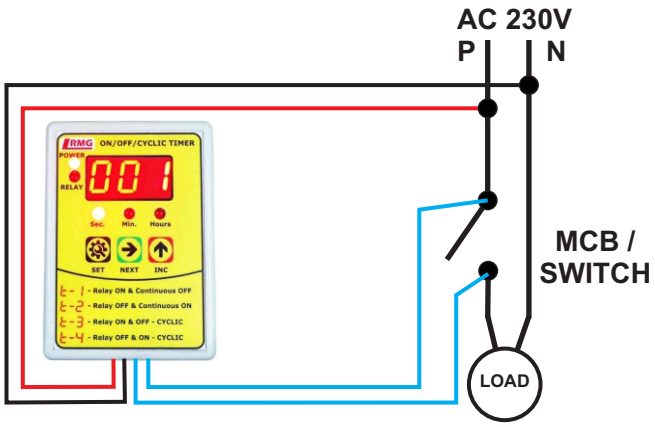

Figure1: 1Φ SWITCH/MCB

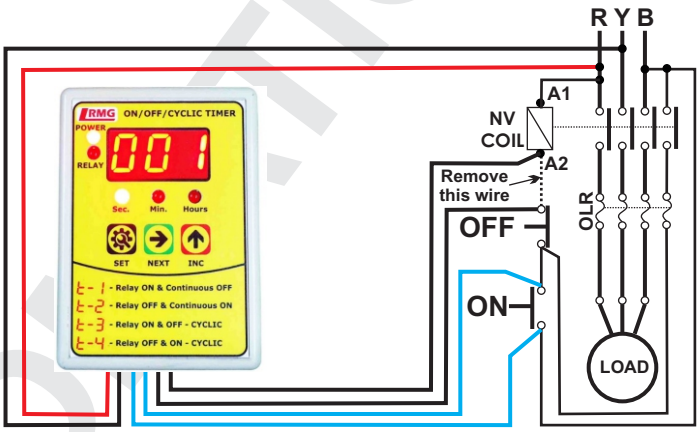

Figure2: 3Φ Starter

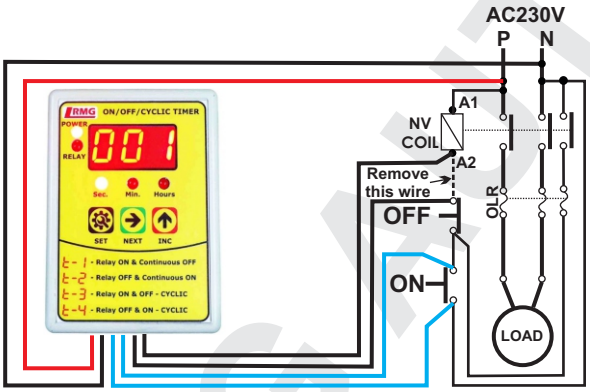

Figure3: 1Φ Starter

5. OPERATING PROCEDURE

- Switch ON the device using the power ON/OFF switch. There is a power ON delay of 6 seconds.
- Using SET, NEXT and INC keys program the timer depending on your requirement. Refer **Programming methods** for more programming.
- Depending upon the program, Timer will ON/OFF the load.
- The timer stores the current settings in it's memory, so no need to program again. It does not store the running time in it's memory to continue the remaining time once power resume.
- To start the timer, press "next & up" key simultaneously for few second. display shows "Sta" for timer start, now release the finger to start the timer operation.

7. PROGRAMMING METHODS