



**RMG AUTOMATION**

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# **Automatic / School Bell Timer**

**Model : SBT**



## **User Manual**



## 1. INTRODUCTION

It is real time based timer which is used to control the School/College Bells. It automatically switch on/off the bells at the preset time. RMG has RTC timers of similar type for varied applications like motor controller, street light / lawn timers.

SBT has 35 ON and OFF programmable time slots and can work in auto and manual modes of operation.

## 2. DESCRIPTION

- **Power ON/OFF switch:** This switch is provided at the bottom of the device to switch ON or switch OFF the controller.
- **Fuse:** Auto cut off in event of any excessive current.
- **Alpha numerical 2x16 LCD display:**
  - Home Screen:** It will display the current date and day on the first line. It shows the current time and status on the second line
  - Status in the LCD:** It includes Auto / Manual, Relay ON / OFF.
- **Menus:**
  - Set Date / Time:** It helps to set the current date, month, year, hours, minutes and day.
  - Set ON & OFF time:** It helps to set the ON time and ON Time Delay (Maximum ON Delay time: 120 s) slots. Use SET & UP to set time and day.
  - Mode:** It helps to select the AUTO / MANUAL operation. In AUTO mode, the timer works based on the set time. In MANUAL mode, NEXT and UP keys are used for switching ON /OFF operation.
  - Change Password:** It helps to change / update the current password.
- **INPUT keys:**
  - 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.
  - UP key:** Used to set the values in date, time, and password.

## 3. TOOLS REQUIRED

- Multistrand power cable
- Insulation tape
- Wooden Gattas
- Line tester
- Wire stripper
- Simple hammer
- Drill gun
- Screws for mounting unit on wall
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## 4. INSTALLATION PROCEDURE

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

**Step 1:** Wall mount the timer.

**Step 2:** Connect 230V AC supply to red and black wire of timer refer figure 1.

**Step 3:** Connect blue pair wire to the switch/MCB of the load in parallel as shown in figure 1.

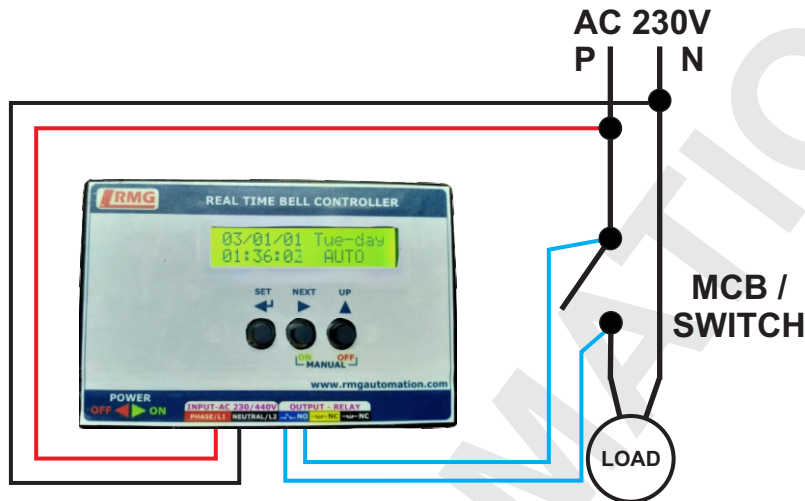


Figure1: POWER & LOAD CONNECTION

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

## 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 UP keys program the timer depending on your requirement. Refer **Programming methods** for more programming.
- Depending upon the program, Timer will ON/OFF the electrical device connected to it.
- You can **reset** the timer by pressing **NEXT** and **UP** buttons together.

## 6. TROUBLE SHOOTING METHODS

| Sl. No. | Error                              | Solutions  |
|---------|------------------------------------|--|
| 1       | Device dead / Not Powered ON       | a. Check the power connection wires for loose contacts.<br>b. If problem continues, contact RMG Automation for support                         |
| 2       | Load connected is not switching ON | a. Check whether the connections are given properly.<br>b. If connections are okay and still issue persist, contact RMG Automation for support |

## 5. PROGRAMMING METHODS

