



# ACTIVE T5-40

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USER MANUAL

- Programmable Automatic Schedule Timer
- 5 Program 40 Time Schedules In Each Program
- Selection of Particular Program at Desired Days.
- Changeable User Password
- Automatic Bell Ringing Based On Programming
- External Light On/Off Time Can Be Modified
- Provision For Time Management
- Manual On/Off for Bell & Light
- On Board Keypad With 32 Bit Lcd
- Micro-Controller Based System
- Communication for Software Rs232



1 Password



5 Separate Program



On Board Keypad with LCD Display



Auto Bell Ringing based on the programming



Connect with PC



External Light Option

## Introduction

Probably since the time schools came into existence school bells were used in the system an indispensable piece of equipment for every school.

They are basically a mechanical device that is able to produce a loud and sharp sound under the influence of an external applied force. The function of a school bell has fundamentally remained the same since the beginning – to divide the class periods into equal parts and indicate their start and finish with a distinctive sound.

This type of bell has slowly been replaced by more efficient electric bells and they are in use even today in most schools for the same purpose.

School Timer was designed to meet the needs for an easy programmable school bell timer, to activate electric gong bell or sirens on factory floors to alert shift changes or breaks, or any similar application where an external device needs to be triggered at a specific time on a daily or weekly schedule.

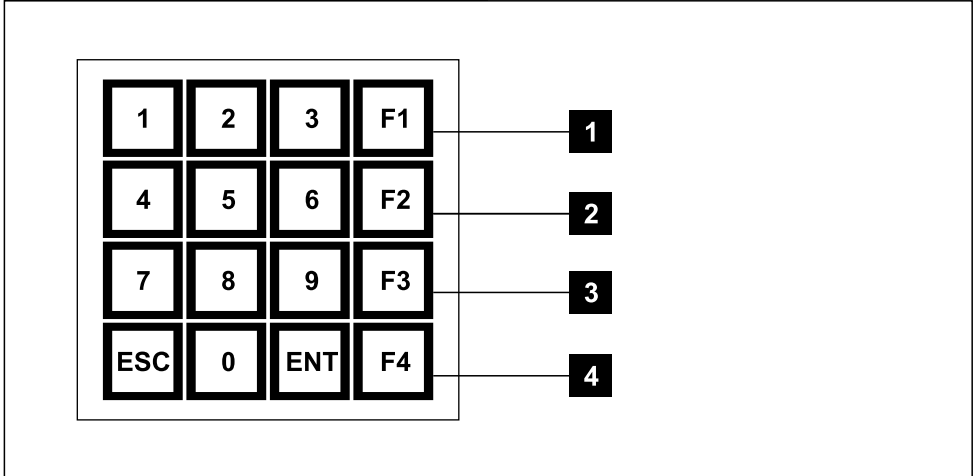
Active T5-40 is microcontroller equipment which can be used for school, colleges and factories for avoiding manual interface for ringing the existing siren or a gong bell.

In many schools the operation of the bells relies on a staff member manually operating a switch each time a school period, lunch or recess bell is required. This device is basically a bell timer, which rings the Electric gong bell at set times for the preset programmed duration as per requirement. This is a cyclic timer which maintains the stored values of time in a built-in memory and repeats the cycle on programmed days at exact programmed times.

## Benefits

Plays bells at preset times, No need to assign a person for ringing bell every time, Accuracy to timings, No manual intervention, Saves man power and money, Easy programming with the help of manual.

## Key Functions



## Operating Function

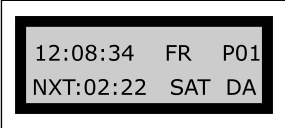
1. F1 → Manual key for Bell
2. F2 → Manual Key for Light
3. F3 → Activate & Deactivate key
4. F4 → Main Menu

## Activation



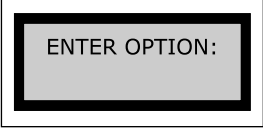
To activate the device press **F3** key and enter the six digit Password "\*\*\*\*\*" **ENT** key.

## Deactivation



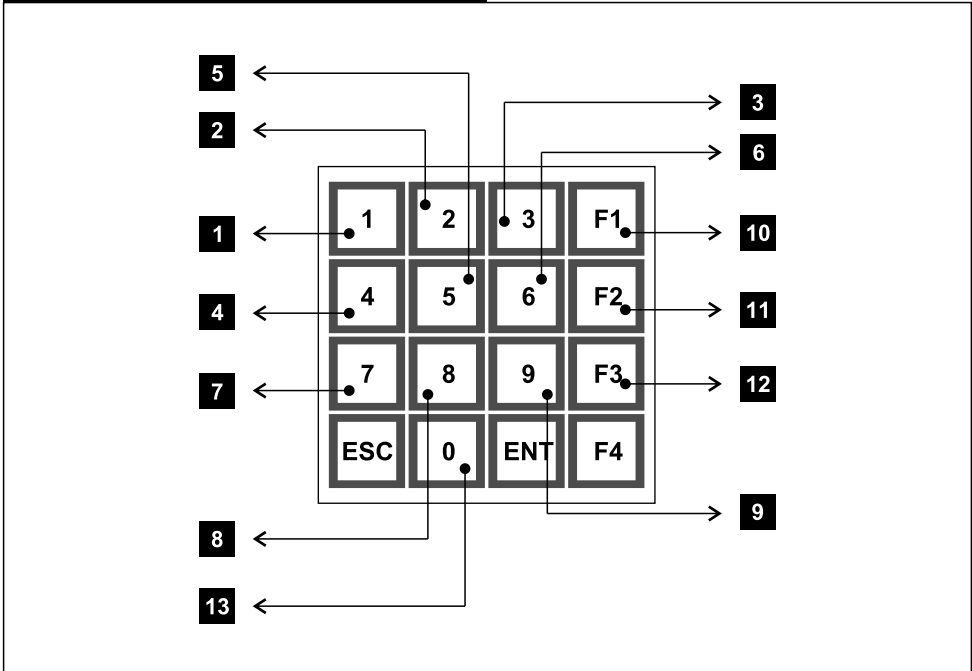
To deactivate the device press **F3** key and enter the six digit password "\*\*\*\*\*" **ENT** key

## Main Menu



- Press **F4** key.
- Enter six digit password " \* \* \* \* \* \* " **ENT** to enter into Main menu.

# MENU OPTIONS



# List of Menu

- |  |   |
|--|---|
| <b>1</b> → <b>1</b> → Edit Password                | <b>6</b> → <b>6</b> → Set manual trigger (MOM, TGL) |
| <b>2</b> → <b>2</b> → Set Date, Day and Time.      | <b>7</b> → <b>7</b> → Invalid option                |
| <b>3</b> → <b>3</b> → Set active program (1-5)     | <b>8</b> → <b>8</b> → Invalid Option                |
| <b>4</b> → <b>4</b> → Set Program scheduler (1-40) | <b>9</b> → <b>9</b> → Software version              |
| <b>5</b> → <b>5</b> → Set light ON & OFF time      | <b>10</b> → <b>0</b> → Set factory default setting  |

ACCESSING THE USER MENUS TO ACCESS THE USER OPTIONS:

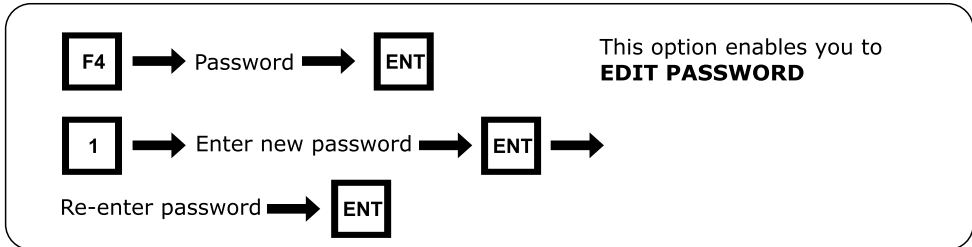
To enter into main menu

11:05:43 WED P01  
No valid schedule

- Press **F4**.
- Enter six digit password " \* \* \* \* \* \* " **ENT** to enter into main menu.

ENTER PASSWORD  
\*\*\*\*\*

ENTER OPTION:



Press Option 1 to edit password:

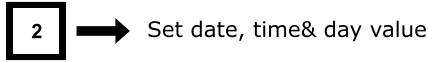
EDIT PASSWORD

- Enter the New six digit password "\*\*\*\*\*".
- Re-enter the new six digit password using keys **(1-9)**
- Press **ENT** Key to save the new password.

RE-ENTER PWD



This options enables you to **SET THE DATE AND TIME**



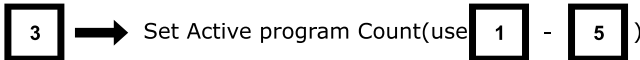
Press Option **2** to set the date, time and day value.



- Enter Date using keys **0-9**
- Press **F1** & **F2** Keys to change the days
- Then press **ENT** key to update the date and time.



This options enables you to **SET ACTIVE PROGRAM**



Press Option **3** to set program count.



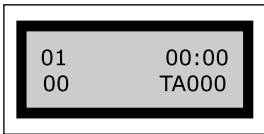
- Select program count using keys **1 to 5**
- Press **ENT** key then press **ESC** key to comeback to user menu.



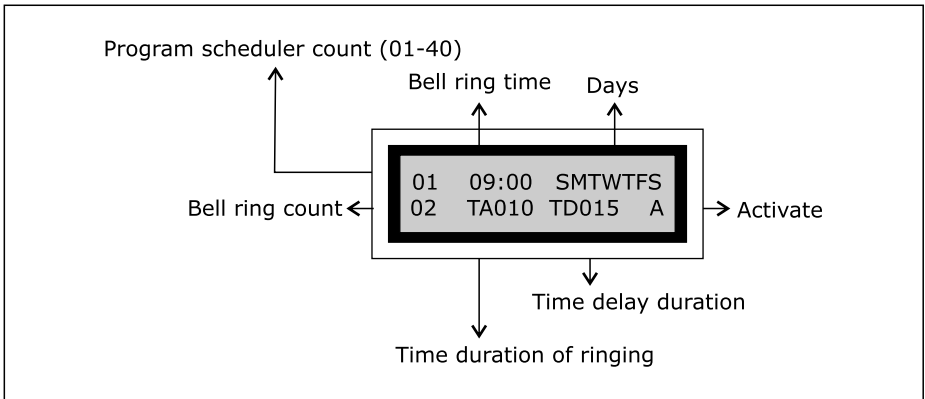
F4 → Password → ENT

4 → Set Program Scheduler.

This options enables you to  
**SET THE PROGRAM SCHEDULER(1-40)**



Press Option 4 to go to set the program scheduler (1-40).

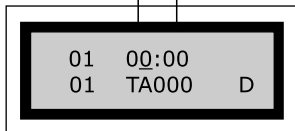


- Use F1 and F2 keys
- A → Activate schedule
- D → Deactivate schedule
- Here we can set up to 40 schedules (Use F1 and F2 keys to move to the next schedule)

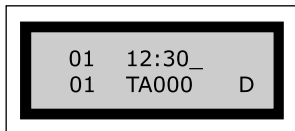
Steps for setting up the program scheduler:

Bell Ring time

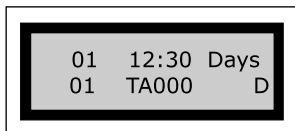
Minutes



- Select schedule 01
- Press **ENT** key set the bell ring time.



- Press ENT key



- Select Days which you want for that particular timing using keys **1-7**



- To Deselect Week Days press that particular day key from **1-7**



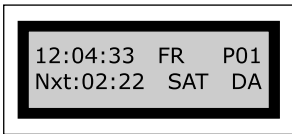
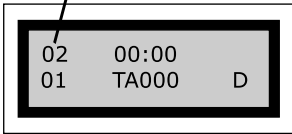
- Then, press **ENT** key and set Bell Ring Count.



- Set bell ring count (**01**) default, press ENT key and enter Bell ringing duration (**TA000**) (Example : for **30** seconds set as **TA030**)



Schedule Count (01-40)



- Press **ENT** key and activate the schedule by changing D to A using keys **F1-F2**

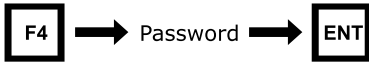
A →Activate Schedule  
D →Deactivate Schedule

- Select schedule 02 by Moving Up and Down using keys F1 and F2.
- Follow same procedure as mentioned for schedule 01.
- Like Wise You can set (01-40)schedules

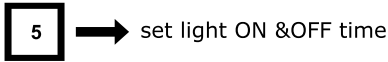
- Press **ESC** to save and come back.

- Now Next schedule time will appear on home screen.

- To activate (ACT) the device press **F3** key and enter the 6-digit password.



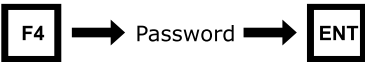
This option enables you to **SET LIGHT ON & OFF TIME**



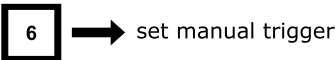
Press Option **5** set light ON & OFF time



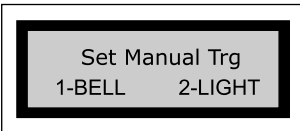
- Select **1** for light "ON" time and **2** for light "OFF" time.
- Press **ENT** key to update the time. then press **ESC** key to come back to user menu.



This option enables you to **SET MANUAL TRIGGERING** for "BELL" and "LIGHT".



Press Option **6** to set BELL and LIGHT manual trigger



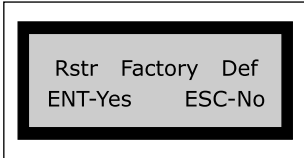
- Press **1** for "BELL" and press **2** for "LIGHT".
- Two modes available  
MOM – Momentary switch  
TGL- Toggle switch
- Select any one mode by moving up and down using keys **F1-F2** and press **ENT** to save.



This option enables you to **RESTORE FACTORY DEFAULT**



Press Option **0** to Restore factory default.



- Press **ENT** to restore ,Press **ESC** to comeback.

**POWER SUPPLY**

Maximum Power Consumption	:	24 Watts
DC /AC Main Supply	:	12-24 V / 2 Amps

**RELAY-NORMALLY CLOSED**

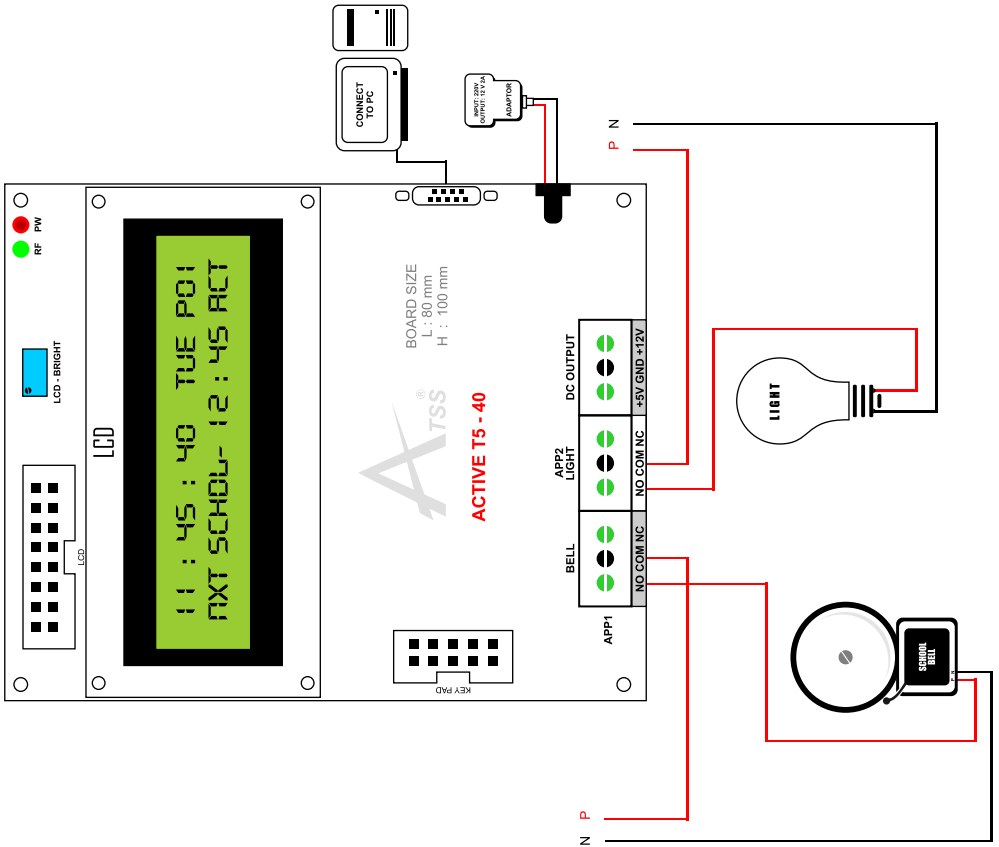
Max Output Volt / current- Bellout	:	240 V/5 A
Max Output Volt / current- Appl	:	240 V/5 A
Max Output Volt / current - for Audio Player	:	5V/100 MA

**ENVIRONMENTAL**

Environment	:	Light Industrial
Max Humidity	:	95% Non-Condensing
Operating Temperature	:	0 °C To 45 °C
Storage Temperature	:	-20°C ~ + 60°C

**PHYSICAL**

Colour	:	Grey Coloured Metal Box
Control Panel Dimensions(mm)	:	(H X W X L) = 135 X 35 X 90
Weight	:	420 g



# ACTIVE T5-40 WARRANTY



Customer Name :

Invoice No :

Date :

Serial No :

Signature

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## How To Obtain Warranty Service?

You must present your Warranty Card and a copy of your original sales receipt to validate warranty coverage. DO NOT lose your receipt.

Dealer Seal



No.40, Muthumariamman Koil St,  
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