

USER GUIDE

This document provides necessary information to operate and troubleshoot the device.

Powering on

Turn over the device so that the bottom faces you. Notice a power supply jack at the back.



This is a standard DC jack. All you need is an AC to DC adapter which supplies 6 volts or more. (Safety limit is 12 volts)



Insert the plug from the adapter into the jack and we are ready to go. That's all.

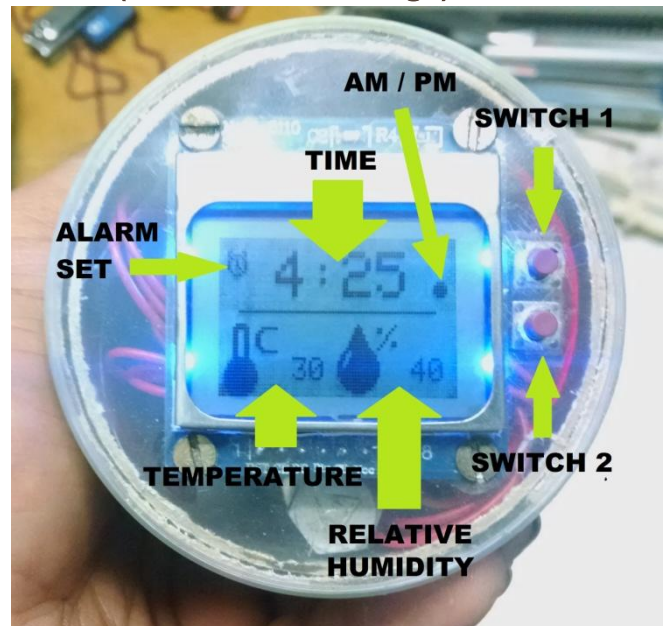
Functions

After powering the device on turn it over again so that the LCD faces you. There are two switches. There is an ambient light sensor at the top. This enables the device to automatically switch the backlight on under low lighting.



The device has three modes of operation. Descriptions as well as functions of both switches in each of these modes are listed below.

MODE 1 (show time and readings)



The time is displayed in 12 hour format. A dot besides the digits notifies AM or PM. Temperature and relative humidity readings are displayed below. A small symbol at the top left corner comes on if an alarm is set.

SWITCH 1

Pressing switch 1 switches the backlight on or increases brightness.

SWITCH 2

Pressing switch 2 enters MODE 2.

MODE 2 (show alarm settings)



The alarm settings are displayed for 1.5 seconds.

SWITCH 1

If switch 1 is pressed and held for at least 5 seconds, alarm will be cleared if it has been set. A buzzing sound acknowledges this action.

SWITCH 2

If switch 2 is pressed and held for atleast 1.5 seconds the device will enter MODE 3. A beep acknowledges this action.

MODE 3 (set alarm)



When in MODE 3, a rectangle appears that highlights the item that will be changed. There are four changeable items, **hour, minute, AM/PM, day**.

There is one added options in the list of days, "EVR". It stands for every day of week.

SWITCH 1

Pressing and releasing switch 1 increases or toggles or cycles through available options for the current item. Pressing and holding it for at least half a second increases the minutes (only) by a step of 10 until the switch is released.

SWITCH 2

Pressing switch 2 will cycle through the changeable items. Pressing and holding it for at least 1 second will set the alarm with current settings. A beep acknowledges this action.

If none of the switches are pressed for at least 5 seconds the device reverts to MODE 1 discarding the settings. A buzzing sound acknowledges this.

PLAYING THE ALARM

Here is the most exciting and the unique feature of this device. When the alarm is triggered the device plays a melody and rocks sideways and flashes its backlight. The user can shut off the alarm by pressing either of the switches.

Troubleshooting

This device is a prototype and was assembled using cheap parts sourced over ebay. There will be some issues and here are a few certain ones.

Black LCD



If the LCD appears black as shown, please wipe the screen with your finger applying some pressure until display return to normal.

(Please avoid sloppy touches on the switches.)