ET-BIG CLOCK BOX (P-ET-A-00601)

ET-BIG CLOCK BOX is a big Electronic Clock Display that uses SUPER BRIGHTNESS Red LED, with 8 X 32 DOT.

The dimensions of the Display are 7.5 X 31.5 cm and the dimensions of the box are 10.3 X 3.2 X 4.2 cm. This wall clock can show various data such as Time, Month, Year, Temperature, and Humidity (OPTION); it is suitable for shop, home, company, or factory because it is obviously seen for a long distance. There are various formats of Clock that can be setup and changed easily by IR RE-MOTE such as showing Hour, Minute, Second, Date, Month, Year, Temperature, Humidity; or, it used as Stop Watch to START-STOP, or Display Board to show the message "OPEN" or "CLOSE" as required, or Alarm Clock with BUZZER to produces a beeping sound, or COUNTER 0000-9999. It is more special because it can connect 2 or more of ET-BIG CLOCK BOX together to show all the same data or show another values such as Date, Moth, Temperature, Humidity through CONNECTOR RJ45 (RS485 BUS).

(1) Show Time: Hour, Minute

(2) Show Time: Hour, Minute, Second

(3) Show Time: Hour, Minute, Second

(9) Stop Watch

(5) Show Date, Month, Days of a week

(6) Show Time, Date-Month-Year, Temperature; it alternately shows each value and changes every 10 seconds, respectively

(7) Show Time, Days of a week-Date, Month-Year; it alternately shows each value and changes every 10 seconds, respectively

(TEST) Show a flashing message "Close" and "Open"; when the Key is pressed each time, it alternately shows and changes between 2 messages
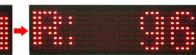
(8) Show Temperature (?C), percentage (%) of Humidity; it alternately shows each value and changes every 10 seconds, respectively (For Humidity, it has to connect to ET-SENSOR AM2302 (OPTION), otherwise, the Display shows the value as 0.0%).

(⏮⏭) Show Hour, Minute, Second as Digital Code (BINARY 8421)

It uses IR REMOTE to command and SETUP values.

● When it is used as COUNTER for counting value. When   T: Target   A:Actual Counting   R: Remain

SPECIFICATIONS OF ET-BIG CLOCK BOX

● Use Microcontroller No.ATMEGA328 to control operation
● RTC No.DS3231 is used as Time Base with BATTERY BACKUP; the Clockstill runs during the blackout but it does not show any value on the Display
● IR REMOTE sets Time and operation easily and conveniently
● Size of red LED Display 8x32 DOT: 7.5 x 31.5 cm.
● Size of black plastic Box: 10.3 x 33.2 x 4.2 cm.
● Use DC 12V/1A at the brightest DISPLAY
● Setup 16-Level Brightness of LED; or, ON/OFF Display by IR REMOTE
● Choose and change any preferable MODE as follows;
- Show Hour, Minute   - Show Hour, Minute, Date, Month, Year and alternately change every 10 seconds
- Show Hour, Minute, Date, Month, Year, Temperature and alternately change every 10 seconds
- Show Hour, Minute, Second   - Show Hour, Minute, Second as binary number (BINARY 8421)
- Show flashing message OPEN/CLOSE
- Show Temperature and Humidity (must connect to SENSOR "ET-SENSOR AM2302" (OPTION))
- Be used as Stop Watch to show Minute, Second, 1/100 Seconds
- Be used as COUNTER counting from 4-Digit INPUT SW.   - And more
● Have Connector 3 PIN as OUTPUT by setting ALARM
● Have Connector 5 PIN as INPUT by setting SW. Timer
● Have Connector 5 PIN WAFER 2.50 mm. as I2C BUS to connect to SENSOR AM2302
● Can be connected to ET-GPS-RS485 to receive Signal GPS from satellite; it is highly accurate Time Base
● Use POWER SUPPLY 12VDC/1A as D JACK 2.5 mm. (Anode-Outer, Cathode-Inner)
● A set of **ET-BIG CLOCK BOX** includes …
1. ET-BIG CLOCK BOX
2. ET-IR REMOTE KEY
3. ET-SWITCHING ADAPTER 12V/1A TYPE J
4. Document

*Please visit website: www.etteam.com to DOWNLOAD Full Manual and Example Program.

● An example illustrates how to connect 2 Displays together through CONNECTOR RJ45 BUS; the first device shows Time and the second device shows Temperature.

33.2 cm.

10.3 cm.

● It connects to ET-SENSOR AM2302 (OPTION).