



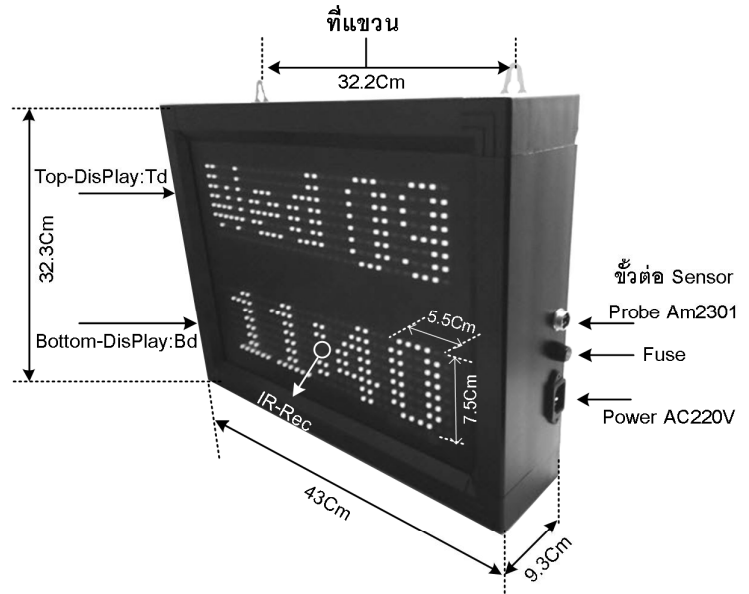
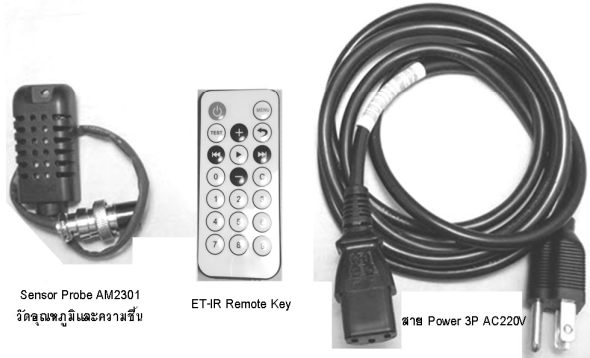
* SPECIFICATIONS

- Clock Display shows data of Time, Day, Date, Month, last 2-digit of year (Christian Era and Buddhist Era), Temperature, and Humidity
- Be controlled by IR Remote; AC 220V Power Supply; the maximum size of number is 7.5cm (H) x 5.5cm (W)
- Sensor Probe AM2301 measures Temperature and Humidity that is connected from external and show data on Display
- 2 of Red 8x32 DOT Matrix Display can be setup display format for Upper-Display or Lower-Display as required
- Setup Time-Date, Adjust brightness of Display for 0-15 Level, and setup preferable display format to always show on Display after Power-ON or Reset
- Mode ON/OFF Display, Mode Stop Watch, Mode CUSTOM-DISPLAY FORMAT

* PACKAGE OF ET-BIG CLOCK BOX V2 includes

- ET-BIG CLOCK BOX V2 provided with 3V BATTERY Backup (#CR203) and Fuse inside
- Sensor Probe AM2301 measures Temperature and Humidity
- ET-IR Remote Key
- Cable Power 3P AC 220V

* STRUCTURE, DIMENSIONS AND CONNECTORS



* HOW TO USE AND FUNCTION OF KEY REMOTE

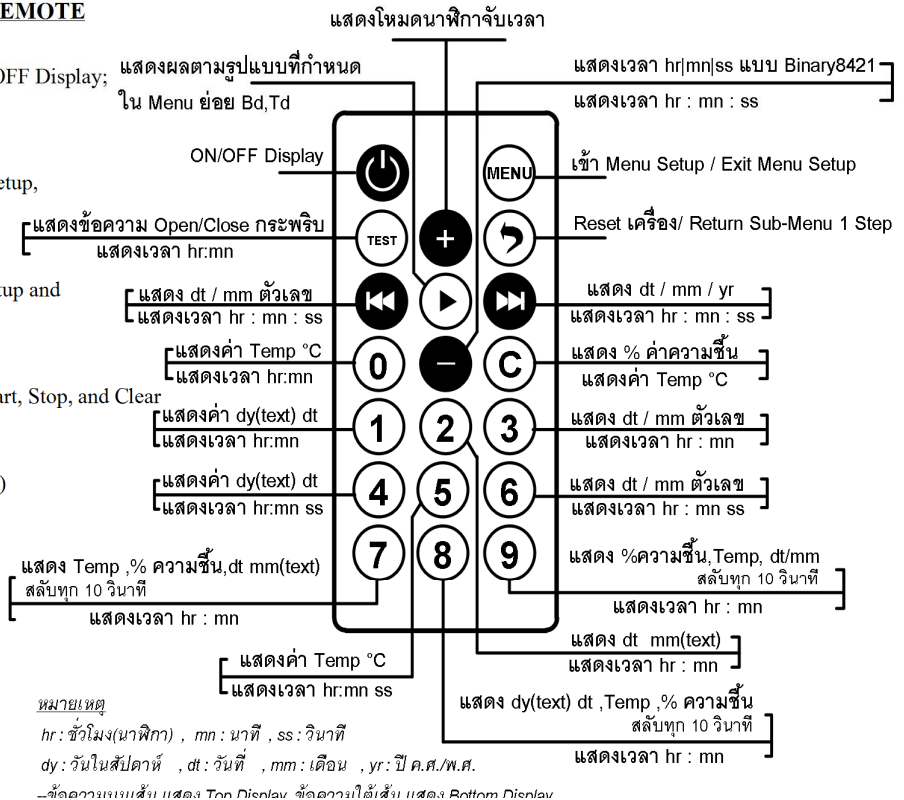
- ON/OFF Display: When Key is pressed, it is OFF Display; and when it pressed the Key again, it is ON Display

-Reset: When being in any display mode, not Mode Setup, please press the Key to reset.

-Enter Mode Setup: Press Key enter Mode Setup and Setup values according to Menu as preferred.

- Stop Watch: Press Key to enter Stop Watch; Start, Stop, and Clear by all in one Key. Display format is arranged as Minute (00-59): Second (00-59): 1/100 Second (00-99)

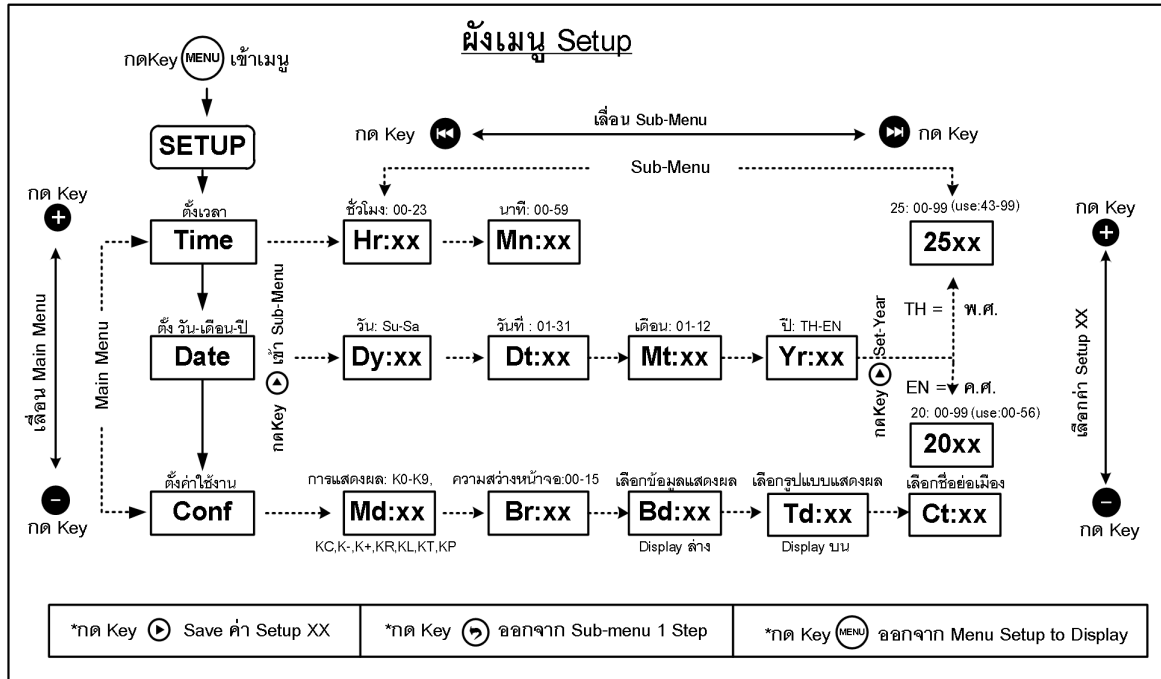
- Show display format according to Setting Values: Press any Key (Key 0-9, C, -, <<, >>, +, Test) to show data according to setting values of user





- HOW TO SHOW CUSTOM-DISPLAY FORMAT: Please press Key (MENU) to show custom-display format that user setup in Menu Config in the Sub-Menu Bd:(show data on Lower-Display) and Td: (show data on Upper-Display). If user setup data format as Ct (city name), it has to choose code of city name in the Sub-Menu Ct.

* DIAGRAM OF MENU



- Meaning of abbreviations in each menu:

Main Menu

Time: Setup Time value of Hour, Minute. Setting values are

Sub-Menu (While saving the setting value, Time value of Second is setup as 0)

Hr:xx (Hour) = Time value is setup in a format of 24-hour system; Hour value is setup in a range of 0-23 hour

Mn:xx (Minute) = Setup time value as Minute in a range of 0-59 minutes

Date: Setup Days of a week, Date, Month and Year (Christian Era or Buddhist Era). Setting values are

Sub-Menu

Dy:xx (Day) = Setup Days of a week from Sunday to Saturday (Su-Sa); when Su:Sunday, Mo:Monday, Tu:Tuesday, We:Wednesday, Th:Thursday, Fr:Friday, Sa:Saturday

Dt:xx (Date) = Setup Date of Month in a range of 1-31

Mt:xx (Month) = Setup Month in a range of 1-12

Yr:xx (Year) = Setup Year type either to be Christian Era or Buddhist Era (the chosen value will be used as the display format of the Clock)

TH: Setup Year type as B.E. 25xx (Default); only last 2-digit is setup in a range of 00-99 (should setup as 43-99)

EN: Setup Year type as A.D.20xx; only last 2-digit is setup in a range of 00-99 (should setup as 00-56)

NOTE: It should setup Year value for RTC DS3231 in a range of A.D. 2000-2100 or B.E. 2543-2643. However, the Year value of both Christian Era and Buddhist Era that is setup for RTC must be conformed with and RTC can run correctly. Moreover, the Year value should be setup in a range of A.D. 2000-2056 or B.E. 2543-2599.



Conf: (Configuration) Setup the essential values for the Clock as follows;

Sub-Menu

Md:xx (Mode Display) = Choose and setup any preferable display format on the screen that will be conformed with the pressed Key on the Remote; K0-K9, KC, K-, K+, KR, KL, KT, KP (>). Every time the device is Power-ON, any Key that is chosen is always shown on the screen.

Br:xx (Brightness) = Adjust brightness of Display in a range of 00-15 (00:Minimum, 15:Maximum)

Bd:xx (Bottom Display) = Choose data to show on the Lower-Display; the data will be shown when the Key is pressed. It can choose data format as follows;

C0: Show Time as **hr:mn** [12:00] , **C1:** Show Time as **HR:MN ss** [12:0022] ,

C2: Show Time as **hr:mn:ss** [12:00:05] , **C3:** Show Time as Binary Code BCD8421 **hr | mn| ss** [---|---|---] ,

D0: Show Day/Date as **dy dt** [Sun 20] , **D1:** Show Date/Month as **dt mm** [19 May],

D2: Show Date/Month as **dt/mm** [20/05] , **D3:** Show Date/Month/Year as **dt/mm/yr** [19/05/61]

Tm: Show Temperature in a unit of degree Celsius [25.6 °C] , **Hu:** Show percentage of Humidity [59.9%]

Ct: Show 3 letters of city's name (abbr.), please choose the city's name in sub-menu of **Ct**










Td:xx (Top Display) = Choose data to show on the Upper Display; when the Key is pressed, the chosen value will be shown on the Display; in this case, the data format can be setup as same as the Sub-Menu **Bd:xx**


Ct:xx (City Name Code) = When setting data format in the Sub-Menu **Bd:xx** or **Td:xx** as **Ct**, it chooses 3 letters of city's name (abbr.) to show on the Display. Please look at the table below, it shows a list of city name.




Select City Name	City Name Display	Full City Name
เลือกชื่อเมือง	ชื่อเมืองที่ใช้แสดงผล	ชื่อเต็ม
AT	ATH	Athens
BE	BER	Berlin
BK	BKK	Bangkok
CA	CAI	Cairo
CH	CHI	Chicago
DX	DXB	Dubai
HK	HKG	Hong Kong
LA	LAX	Los Angeles
LI	LIS	Lisbon
LO	LON	London
MA	MAD	Madrid
ME	MEX	Mexico City
MI	MIA	Miami
MO	MOW	Moscow
NY	NYC	New York
PA	PAR	Paris
RI	RIO	Rio De Janeiro
RO	ROM	Rome
SI	SIN	Singapore
ST	STO	Stockholm
SY	SYD	Sydney
TP	TPE	Taipei
TY	TYO	Tokyo



- **HOW TO USE MENUS OF MODE SETUP:** According to diagram of Menu above, it summarizes how to use Menus of Mode Setup as follows;

- 1) Press Key  to enter Mode Setup; the Display shows the message “SETUP” for a while and then enter the first Main Menu “Time”.
- 2) Press Key  or Key  to choose the preferable Main Menu to setup value.
- 3) After chose the preferable Main Menu for setting value completely, press Key  to go to the sub-menu of the Main Menu, and the Display shows the first sub-menu of the Main Menu.
- 4) Press Key  or Key  to choose the preferable sub-menu for setting value.
- 5) After chose the preferable sub-menu completely, press Key  or Key  to choose and setup values for the sub-menu.
- 6) After setup values for the sub-menu completely, press Key  to save. The Display shows the tick sign at the position of the setup value for a while and it also produces Beep sound twice; it means that all setup values are saved completely. Now, user can return to step 4 to choose the next sub-menu.

After setup the values of sub-menu completely but user doesn't press any Key Save, all new setup values are not used; or, if user exits from Mode Setup without saving any value, all values that are used are still the old; or, if user moves to other sub-menus and then returns to the previous one that user recently setup but user does not save any new setup value yet, all new setup values are not updated. In summary, after setup value for any sub-menu completely, please always press Key Save , otherwise it is not updated and it has no any effect on the operation of the Clock.

- 7) When user is in any sub-menu and wants to return to Main Menu in order to change and go to other Main Menu, please press the Key  to go backwards a step by step until it returns to Main Menu, and then user can start step 2 again.
- 8) If user wants to exit Mode Setup, please press the Key  repeatedly until it exits from Mode Setup (Display stops at normal display mode of Time); or, please press the Key  only one time, it exits Mode Setup instantly.

*****For full Manual, please download from wewbsite:WWW.ETTEAM.COM *****