EUCT01

Network Timeclock

1 Summary

In the EU-BUS system, the timeclock interfaces with other devices over the EU-BUS network to automate tasks and trigger time-based events. It may be used as an energy management controller or simply to select scenes at preset times of the day or week. The timeclock is powerful enough to provide full automation of a large commercial project and can be programmed with events that automatically run at a specified time. If required, it can achieve preset scene trigger though matching with EUK06 and reset switch panel until the next timed event occurs.

2 Product Features

- Comply with EU-BUS protocol developed by EUCHIPS
- OLED display , the user can operate more conveniently
- In EU-BUS mode, the user can update firmware remotely via EU-BUS interface
- Can save up to 64 events
- Can define the trigger time and task for all event conveniently and flexibly
- Real time clock with standby battery
- Supplied via EU-BUS bus, without external power supply
- The standard 35mm din rail, convenient installation

3 Technical Parameters

Item	Parameters
Input voltage	12VDC，supplied via EU-BUS bus
Input control signal	EU-BUS
Maximum number of events	64
Default event number	16
Dimension	76*93.4*63.2mm（L*W*H）
G.W.	250g
Operational temperature	-20-50℃
Relative humidity	20-90%RH

4 Equipment size(mm)

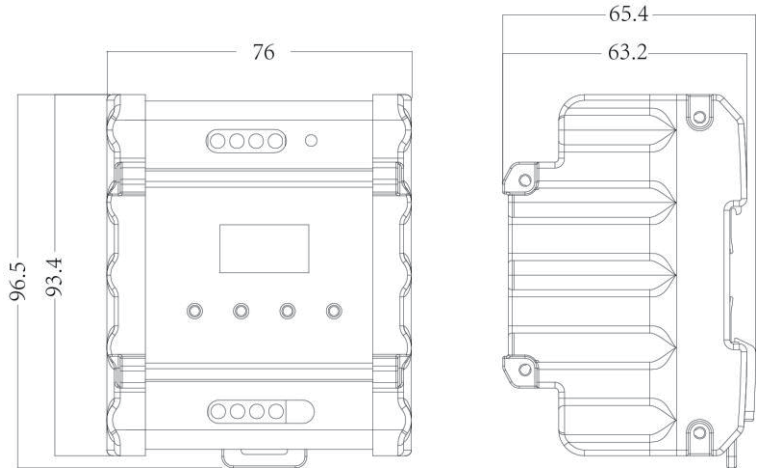

Figure 1

5 LCD function

After a successful connection, the menu will be seen in Figure 2. Press the button "ENTER" to enter the sub menu, press "BACK" to return to the upper menu, press "UP" or "DOWN" button to move the cursor up or down.

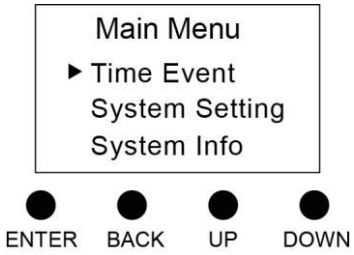

Figure 2

Button	Function
ENTER	Confirm key, confirm the selected state, enter the option to set the state
BACK	Return key, return to the upper menu, exit the option to set the state
UP	Move up the cursor; change the status of the option
DOWN	Move down the cursor; change the status of the option

5.1 Time Event

Press ″ENTER″ to event list menu, the current event number and the total event number will be shown. ″All″ means all the event are enable. Move cursor to an event, if the event is enable, the event number, trigger time, event content will be shown in turn; or else, the event number and "OFF" will be shown in turn. Press″ ENTER″ to edit event.

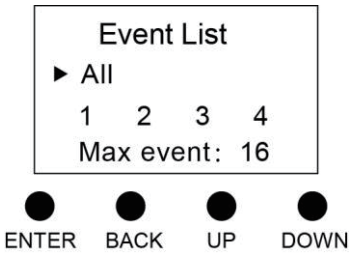

Figure 3

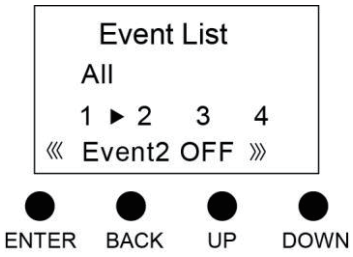

Figure 4

5.1.1 Status

Press ″ENTER″ to select event state. ″ON″ means that the event is valid, the corresponding task will triggered at the preset time.

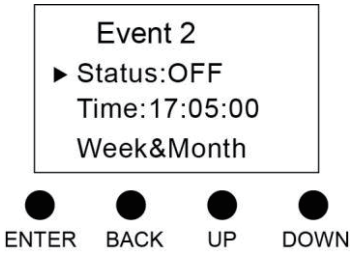

Figure 5

5.1.2 Time

Move the cursor to ″Time″ to set event time ,then, press ″BACK″ to return to the upper menu.

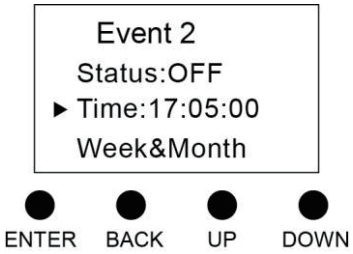

Figure 6

5.1.3 Week&Month

Move the cursor to ″Week&Month″, then press ″ENTER″ to enter sub menu. ″---″ means the current option is invalid.

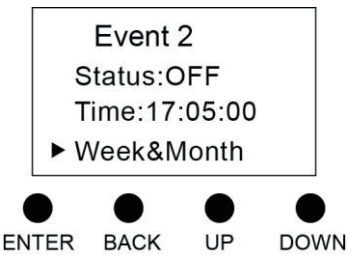

Figure 7

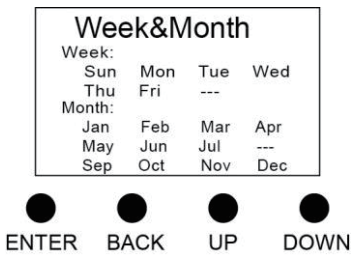

Figure 8

5.1.4 Date

Move the cursor to "Date", then press "ENTER" to select event date. "---" means the current option is invalid.

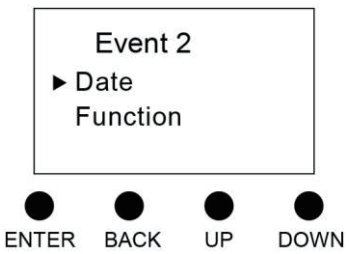

Figure 9

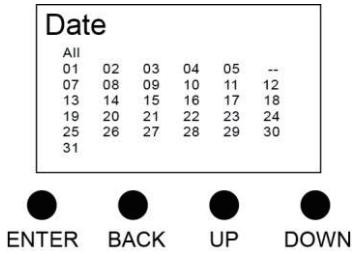

Figure 10

Note: Only both date and week are valid, the event will be triggered at the preset time.

5.1.5 Function

Move the cursor to "Function", then press "ENTER" to select event task.

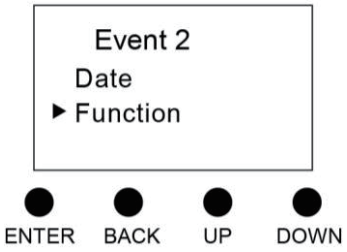

Figure 11

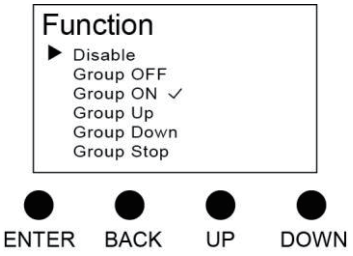

Figure 12

5.2 System Setting

After entering the system settings, you can set the current time, turn on or off the backlight and restore the factory settings.

5.2.1 Time Setting

You can set the current time. Press "UP" and "DOWN" button to set the time, and press "ENTER" to save, then press "BACK" to exit.

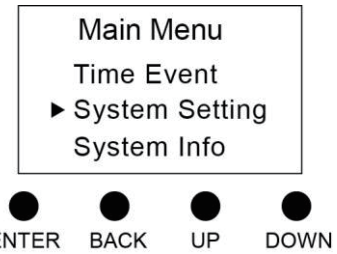

Figure 13

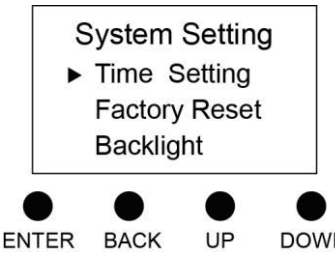

Figure 14

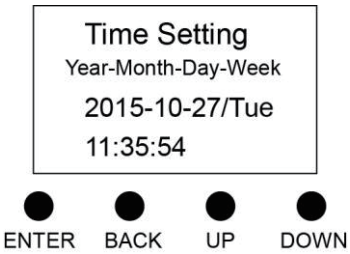

Figure 15

5.4.2 Factory Reset

Press ENTER to choose whether to reset factory settings. After restoring the factory settings, the equipment is returned to the factory initial state.

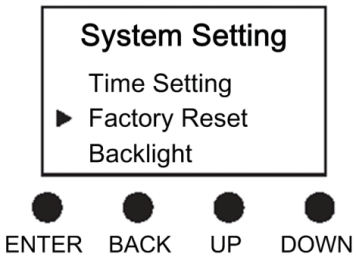

Figure 16

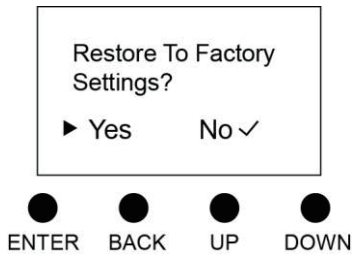

Figure 17

5.4.3 Backlight

When the backlight is set to "ON", the display unattended operation over 60s, LCD will enter clock mode， show the current time and date. After 60s, LCD will automatically enter the sleep mode, press any key to end the sleep mode, enter the setting state.

When the backlight is set to "OFF", the display will remain the current setting state.

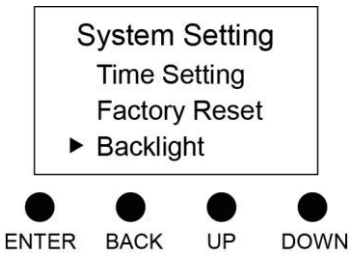

Figure 18

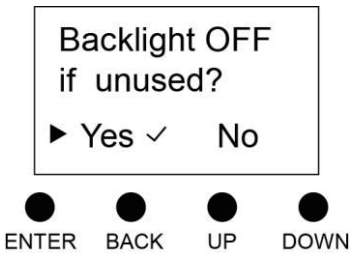

Figure19

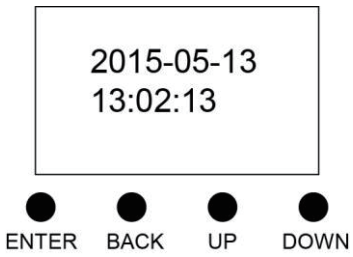

Figure 20

5.3 System Info

In this menu, the current system information can be displayed, which is shown as follows:

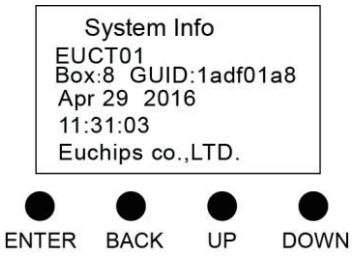

Figure 21

Line 1: Device model
Line 2: box and GUID
Line 3: the current date
Line 4: the current time
Line 5: "Euchips co.,LTD ."

6 Wiring Diagram

Model	Name
Ebus-Node	EU-BUS debugger
EUR0420-DDL	Relay switch controller
EUT0802-DDL	Leading edge controller
EUMA0405-DDL	Phase cut & 0-10V dimming controller
EUB01	Rs485 repeater，used for long distance transmission