

Model No.: 51C-160YZ-NB; 51E-160YZ-NB; 4 Alarm Clock Module with Blue Backlite

Features:

- Power source: 3.3 VDC typical
- 12 or 24-Hour version
- Three keys operation, Mode, Set, and Up
- Individual Output Pole for each alarm
- Plastic Frame Size: 64 x 45 x 7 mm
- Whole Unit Dimensions: 77 x 60 x 8 mm
- LCD Screen Size: 50.4 x 23.3 mm
- Negative LCD
- Digit Height: 15.5 mm

Keys:

Mode: To enter alarm mode or back to realtime

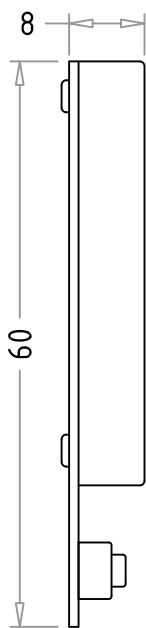
Set: To enter setting mode of realtime, or alarm

Up: To adjust hour or minute at setting modes

Symbols: Any of the alarm symbol below appeared steady at realtime means the related alarm is engaged.

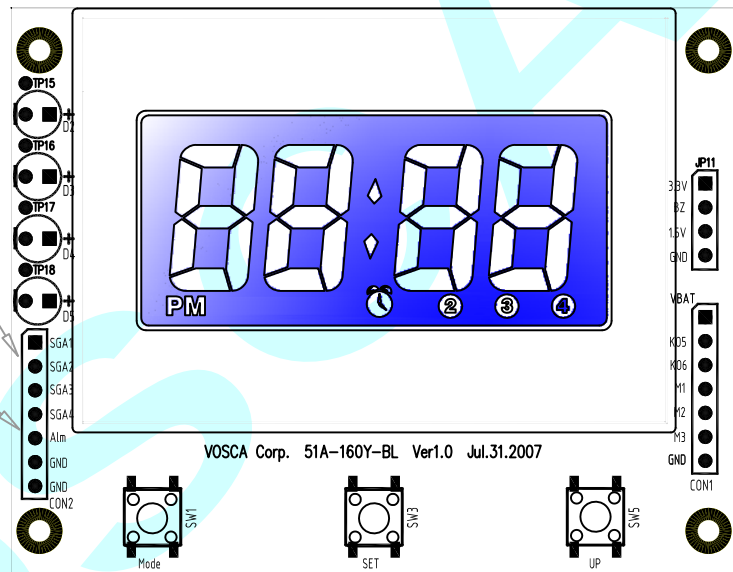
⌚ : 1st alarm; ② : 2nd alarm;

③ : 3rd alarm; ④ : 4th alarm



4 Output Poles
(A1 ~ A4) for Each
Individual Alarm

Aural Output
direct from IC



CON1 - External Keys Connection

Mode Key - M1 to KOP5

Set Key - M2 to KOP5

Up Key - M3 to 1.5V

Reset Key - M1 to KOP6

Snooze Key - M2 to KOP6

JP 11

3.3V - External power input

BZ - Open collector output for aural alert

1.5V - VDD

GND - 0V

KEYS OPERATION MANUAL

A. To Set Realtime: Power ON, LCD full displayed for 3 seconds, then changes to 0:00 (for 24-Hr version) or 12:00AM (for 12-Hr version).

- Press "Set" to enter setting mode of hour. The left two digits blinking. Use "Up" to adjust hour.
- Press "Set" again to enter setting mode of minute. The right two digits blinking.
- Use "Up" to adjust minute. Press "Mode" to return to realtime.

B. To Set Alarm Time

- At realtime mode, press "Mode" to enter alarm mode. The 1st alarm symbol ⌚ is appeared.
- Apply the same method as realtime setting to set alarm time.
- Press "Set" again, and check if the 1st alarm symbol ⌚ is blinking.
- If so, press "Up" to set the alarm "ON". The symbol becomes steady displayed.
- Press "Mode" to enter the 2nd alarm. Apply the same method to set 2nd alarm.
- Press "Mode" again to enter the 3rd, and 4th alarm. Apply the same method to set the alarms.
- Press "Mode" again to return to realtime mode.