

Microcomputer Automatic Bell Timer

Model:DI-B08

Be sure to read the manual carefully before using.
Please safekeeping the manual.

Function & Application

This product designed with high performance microcomputer chip, it can automatically switch on the bell on fixed time, and realize max **80sets** every day, it can supply automatic calibration function, with the features of exact setting, easy operation etc. It is widely used in the automatic bell control in school, factory, hospital.

Specifications

Working voltage: AC240V

Scope: 85%~110%

Dimensions: 126x88x51mm

Weight: 400g

Timing: **1s-23 h 59 m 59 s**

Condition temperature: -10~+50℃

Load capacity: Resistance 25A

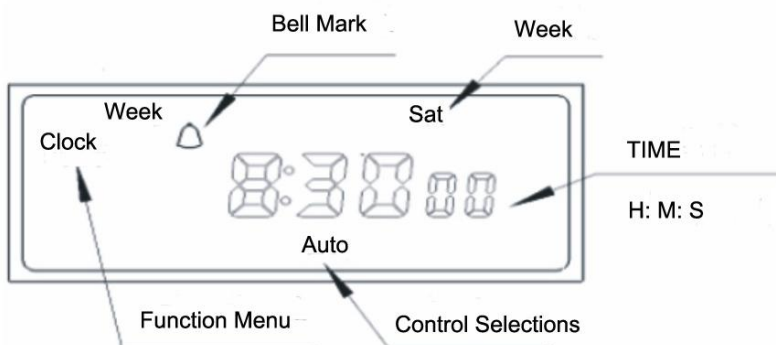
Consumed power < 4W

Timing error: With system automatic error adjust function 0.5s/day

Without system automatic error adjust function 2s/day



Display instruction



Operating instruction

I Key function

6 keys, "MODE", "SELE", "+", "-", "AUTO/MAN", "RESET" separately, The function of keys as follows:

1. "MODE" key: To select functional menu. Press it to and enter setting state. Then it can select TC (time clock), PROG (program), ER (error), TL (time length). Press it for 3s, it will return to the clock state.
2. "SELE" key: parameter optional. Under the function setting state, press it to select the parameter you like, and the chosen will flash.
3. "+" key: parameter up adjust. Upwards number for the chosen parameter.
4. "-" key: parameter down adjust. Downwards number for the chose parameter.
5. "AUTO/MAN" key: Under the clock state, press "AUTO/MAN" key to select the state: ON, AUTO, OFF; Under the program state, press this key, and can cancel current program setting but make it display "--:--", press it again to save this setting.
6. "RESET" key: press it and can cancel all the settings, clock is 00: 00: 00.
7. Other function:
 - a. It will return clock without any operation under any setting state for 30s.
 - b. Without external power and under clock state, meanwhile press "+" and "-" for 2s, it will turn off the LCD display, and enter the power saving mode. Under clock state, without any operation for 5 minutes, it also can enter the power saving mode. Press any key to awake it.
 - c. Under the program setting, choose the program setting and press "AUTO/MAN" and "-" key for 3s, it

can cancel the setting.

- d. Under the program setting, choose the program setting and press “AUTO/MAN” and “+” key for 3s, it can cancel the setting.

II Adjust Clock:

1. Before using this product, please check the clock display to follow the current time, and calibrate it.
2. Pls “MODE” key, enter the state of “TC”, press “SELE” key to choose “HOUR”, “MINUTE” “SECOND”, WEEK” and adjust them respectively by “-“ and”+” keys.

III Program setting

| step | key | Setting content |
|------|----------------------------|--|
| ① | Press the key "MODE" | enter the state of " PROG" |
| ② | Press "SELE" key | "HOUR" is flashing |
| ③ | Press "+" or "-" key | Setting the time on "HOUR" |
| ④ | Press "SELE" key again | "MINUTE" is flashing |
| ⑤ | Press "+" or "-" key again | Setting the time on "MUNITE" |
| ⑥ | Press "SELE" key again | "WEEK" is flashing |
| ⑦ | Press "-" key | Make sure the "ON" or "OFF" state |
| ⑧ | Press "SELE" key again | "01" is flashing |
| ⑨ | Press "+" key | To select the event number: 01, 02, 03, 04.... |
| ⑩ | Repeat step ② to ⑨ | Set other 2 ^{ON} , 3 ^{ON} until 80 ^{ON} |

Notice: When make an error or cancel the settings, press "SELE " and "+" or "-" select this setting, and then press "AUTO/MAN" key to make it display " — — : — — " (it means no timing program, not "00:00").

IV Setting error:

Base on the actual clock error, count the day error, and put into system. Positive error means adjust the clock quick, negative error means adjust the clock slow.

1. Press “MODE” key and enter the state of “ER“ and the “error” is flashing.
2. Press “SELE” key, and press “+” or “-” to adjust the preset value.
3. Setting confirm: Press “MODE” to shift to “TL” state, or continuously press it to return clock state.

V Time length setting

It is used to set its run time, the setting range is 0-(23h+59m+59s), and the default is 10s.

1. Press “MODE” key and enter the state of “TL” and the “TIME LENGTH” is flashing.
2. Press “SELE” key to select “HOUR”, “MINUTE”, “SECOND”, it is flashing when they are chosen.
3. Press “+” or “-” key to adjust “HOUR”, “MINUTE”, “SECOND”
4. Setting confirmation: Press “MODE” key to return back the clock state.

VI ON, AUTO, OFF operation

There are 2 modes to select the ON, AUTO, OFF state.

1. Press “ AUTO/MAN” key to make sure the ON, AUTO or OFF state.
2. Press” AUTO, OFF, ON” key on side face of this product, it is necessary in emergency.

VII For example

There is a factory has the working schedule as follows:

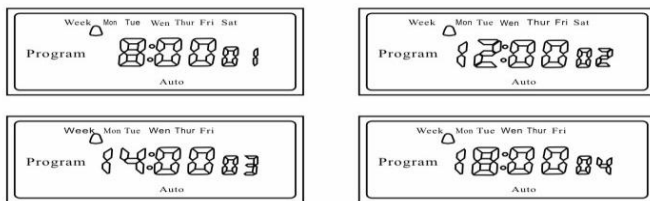
On duty: 8:00-12:00 am, 14:00-18:00pm, From Monday to Friday.

On duty: 8:00-12:00 am for Saturday

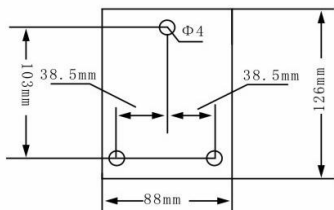
The setting is following:

1. 4 settings shown as the figures. (below)
2. To select the event number, press “+” to change it into 05, and press “AUTO/MAN” key, at the same time “+” key for 3s to cancel other setting and make it display “--:--” .

- continuously press "MODE" key, and make it return to the clock state.
- Press "AUTO/MAN" key and make sure on the state of "AUTO".
- Also make sure the "AUTO, OFF, ON" key on the state of "AUTO"



Installation



DI-B08 dimension

Remove the troublesome

| Trouble | Methods |
|---|---|
| No work, and power indicator (red) is not on. | Maybe the connection is not good. Pls check the connection. |
| Power indicator(red) is on, but no work | 1, No setting: Under the clock state, pls check whether there is flashing on the bell mark, if not, it means there is no setting. Pls enter the setting now. 2, Error setting: Check every setting and make sure it is correct on time and week. 3. ON, AUTO, OFF state is not correct: Check the LCD display and the button on the side face of this product and make sure both of them are at "auto" state. |
| Display not clearly or no display | 1, No power on the battery: Pls change another new battery. 2, The temperature is too low: pls make its working temperature rise, it will be in normal. |
| Ringing time is not correct | 1, Check the setting program, and make sure every setting time is correct. Pls cancel the redundant program as "- :-" (not 0:00) |
| Key failure or not display. | 1, This product may be caused by the serious electromagnetism anti-interference, condition temperature or other reasons. Pls press reset key to reset. |

Wiring diagram

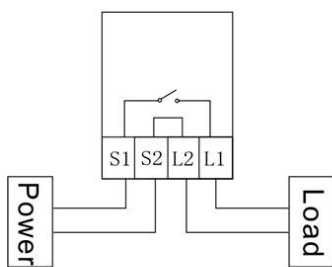


Fig 1

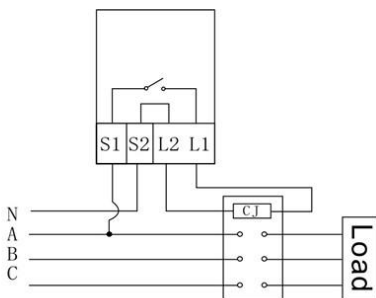


Fig 2