

# Installation and Specifications of

## Descriptions

With fully integrated sounder/strobe, self-activating cut-off timer, SAB/SCB mode selection, twin status indication, backup battery, UV resistant PC housing, inner PCB cover, the new external bell box is designed to apply for all of the requirements of EN50131-1 – Security Grade 2, Environmental Class III and BS4733. And it is can be compatible with any other intruder control panels.

## Features

- 1 Dual tamper protection from upper cover removal or removal of the bell box. Optional protection of screw loose.
- 2 Equipped with internal 7.2V rechargeable battery, SAB mode is available. Optional VRLA battery room is provided.
- 3 Red and green status LED indications for easy status confirmation. The indications are as follows:
  - △ Red and green LEDs flash alternately means system in standby mode.
  - △ Green LED flash twice quickly means no backup battery power supply.
  - △ Red and green LEDs flash twice quickly and pause for 1 second means siren trigger.
  - △ When main power is cut, red and green LEDs flash quickly and pause for 1 second. And siren will sound simultaneous.
- 4 Piercing siren sound with high-visibility xenon strobe flashes. Twin or single sounders are selectable. Trigger signals for sounders and strobe are separate and both negative and positive inputs are provided.
- 5 4 kinds of sounder timer selections. The default selection is 20 minutes. 5 sec (for test) 3 min, and continuous sound are selectable with jumpers.
- 6 External or Internal tamper trigger is selectable.



**Please ensure that the jumper is set in the desired position after test. 20 min duration is recommended.**



## Technical Data

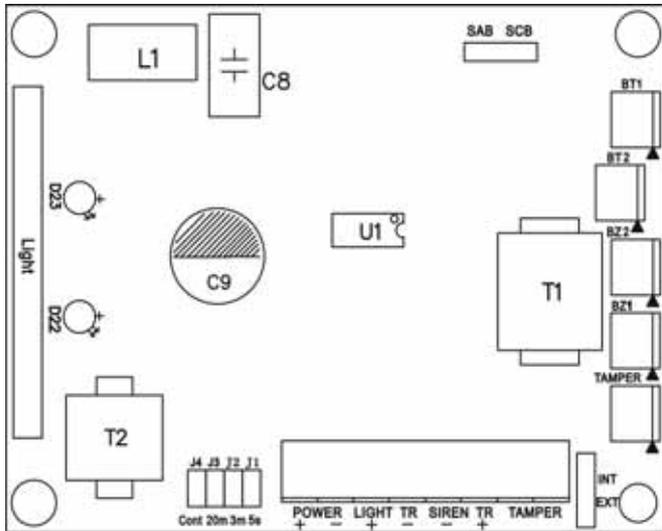
Operating Voltage	10-15Vdc
Current Consumption Standby	20mA at 12VDC
Backup Battery	7.2V 500mA rechargeable
Siren Current	220mA at 12Vdc
Flash Current	180mA at 12Vdc
Siren Output	115db for single sounder 120db for twin sounders
Flash Rate	once per 1 sec
Timers	5 sec (Test), 3 min, 20 min, continuous
Tamper Trigger	INT/EXT selectable
Operating Temperature	-25°C to +70°C
Housing	White Polycarbonate with UV Resistant
Lens	Blue, Red, Orange color are selectable
Dimensions (L X W X H)	300 X 220 X 65 mm
Weight	1.00 Kg

## Jumper Setting



The jumper setting should be done under the condition of no hold off power supply

## PCB Diagram



## Cut Off Timer

The factory default is J3 20 min

TIMER SETTING		
J1	<input type="radio"/> <input type="radio"/>	Test
J2	<input type="radio"/> <input type="radio"/>	3 minutes
J3	<input checked="" type="radio"/> <input type="radio"/>	20 minutes
J4	<input type="radio"/> <input type="radio"/>	Continuous

## Tamper Selection

the factory default is INT (internal trigger).

In INT mode: The tamper will trigger the sounder directly.

In EXT mode: the tamper will trigger the panel first.

## SAB/SCB Selection

The factory default is SAB.

In SAB mode: the control panel will power the buzzer.

In SCB mode: the backup battery will power the buzzer.

## Steps to Install



Do not touch the strobe to avoid electric shock



- 1 Remove the upper case, pull out the PCB and its cover.
- 2 Connect the wires as indicated, and then plug in the backup battery, tamper switch and buzzers.
- 3 After assembling the inner PCB cover. Hang the base on the wall or the place where you will install, fix the base with the screws equipped.
- 4 Assemble the upper cover and fix the upper cover with screws and then seal the screws with plastic caps.

Power on, the LED will flash alternatively after 5 seconds, which means that everything is going well.

## Certificate and Standards:

The device was tested pursuant to applicable procedures and complies with the requirements of:

EMC: EN50130-4:1995+A1:1998+A2:2003  
EN61000-6-3:2001

Rev: A-2006