

Self contained sounder and strobe

Introduction

The neon range of low profile external sounders supplied as a fully loaded backplate with a choice of colour options for the polycarbonate cover and lens.

Features

Easy mount and single screw cover fix.
Environmentally friendly Ni-MH battery back up.
Programmable timer and ring mode option.
Rugged strobe with panoramic lens.
Twin red and green alternating comfort Leds.
Engineer hold-off.

Fixing

Offer backplate to wall mark, drill and plug for three hole fixing using M6 masonry bit.
Drill wall for cable entry.
Screw in top fixing (8x 2 1/2" screw) and leave protruding 1/2", mount the backplate utilising the keyhole, align and secure using 2 off 8x 2 1/2" screws.

Tamper switch

The micro-switch lever should be carefully adjusted to ensure correct operation.

Strobe circuit

The strobe circuit is totally independent of the sounder and ST+ & ST- terminals should be connected to the strobe output terminals at the control panel.

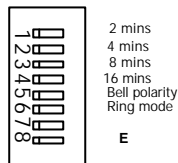
Warning Great care should be taken handling the PCB particularly when at the top of a ladder. The components adjacent to the flash tube can deliver a high voltage shock even after power has been removed.

Timer

The alarm panel controls the sounder in normal operation.

In the event of loss of supply the sounder will go into SCB mode and the Ni-MH battery will provide backup power.
The dil switch option predetermines the timer operation.

Dil switch



Switch no.				Function
x = off				y = on
1	2	3	4	
x	x	x	x	No time out
y	x	x	x	2 mins bell timeout
x	y	x	x	4 mins
y	y	x	x	6 mins
x	x	y	x	8 mins
y	x	y	x	10 mins
x	y	y	x	12 mins
y	y	y	x	14 mins
x	x	x	y	16 mins
y	x	x	y	18 mins
x	y	x	y	20 mins
y	y	x	y	22 mins
x	x	y	y	24 mins
y	x	y	y	26 mins
x	y	y	y	28 mins
y	y	y	y	30 mins

i.e.: - Switch 1 on = 2 minutes bell time
Switch 2 on = 4 minutes bell time
Switches 1 & 3 on = 10 minutes bell time

Bell polarity

When switch 5 is on, the piezo is activated by removing 12 volts from terminal B. When switch 5 is off, the piezo is activated by applying 12v to terminal B.

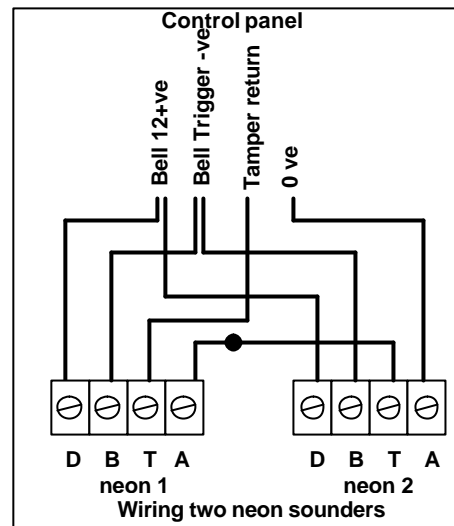
Ring mode

A unique feature of the neon sounder is an option that allows constant or 1 minute on then 1 minute off intermittent sound.

i.e.: - Timer set for 10 minutes and switch 6 off sounder will operate continuously for 10 mins.

Timer set for 10 minutes and switch 6 is on the sounder will operate for 1 minute on then 1 minute off and repeat this sequence 5 times.

Switches 7&8 Currently not used.



Wiring

Wire the neon sounder as indicated using a 6 core cable to the control panel.

Connect the red wire from the Ni-MH battery to batt + terminal, the comfort Leds will now flash simultaneously, indicating engineer hold-off. Fit the cover.

When the control panel is powered up the engineer hold-off will be cancelled.

Testing

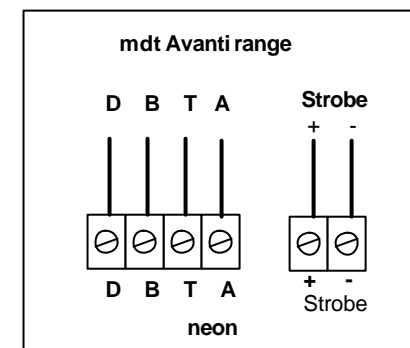
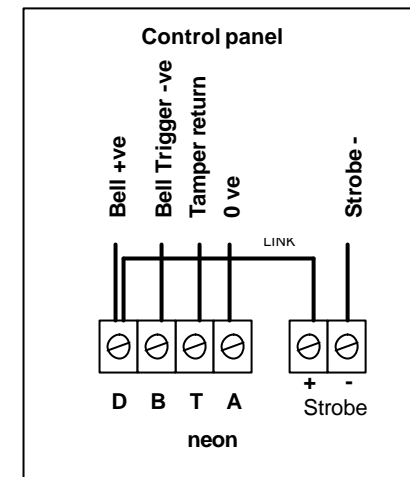
After completing installation the following tests should be carried out.

To test in SCB mode remove power, comfort Leds should flash alternately and sounder should operate. Test the operation of the front and back tamper.

Create an alarm condition at the control panel observing strobe, sounder and alternating flashing Leds.

Specification

Sound output	108 dB
Tamper	Front and back
	Optional screw tamper
Hold off supply voltage	12v
Current consumption	Standby 23mA
	Piezo 180mA
	Strobe 220mA
Conformal coating	MIL-1-46058C



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