GENT
by Honeywell

Data and Installation
S³ Mark II
Conventional Strobe Unit

These instructions cover the following conventional S³ products, which are suitable for installation in a Conventional fire alarm system.

Body	Strobe Deep base
Red	C2IP-ST-RR-V2

This product is not visual alarm device and does not meet EN 54-23.

The low power **Conventional Strobe** device provides visual alarm signals for use with fire alarms, internal security alarms and other hazard warning systems operating over a wide voltage range.

The device provides a range of 8 distinctive visual signals via switch settings. It is available with a deep base (40mm) offering IP55C ratings.

In addition to the products covered in this leaflet there are Speech Sounder Strobe and Sounder Strobe variants available. For more information contact your supplier.

The S³ product range incorporates innovative design features and the product design has also been registered.

Do's and Don'ts

Do's

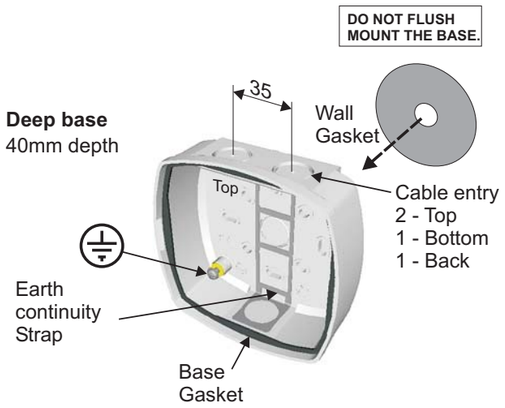
- ☐ Use correct method to open and close the unit
- ☐ Fit the **wall gasket** first when installing the deep base if IP55C protection is required
- ☐ Ensure the **transparent cover** is in place over the PCB
- ☐ Configure the switch for desired light outputs before closing the assembly
- ☐ Ensure the **earth continuity strap** is in place in the **base**

Don'ts

- ☐ Don't flush mount the base
- ☐ Don't have excessive incoming cable slack
- ☐ Don't locate unit such that the visual output is obstructed
- ☐ Don't paint the unit enclosure

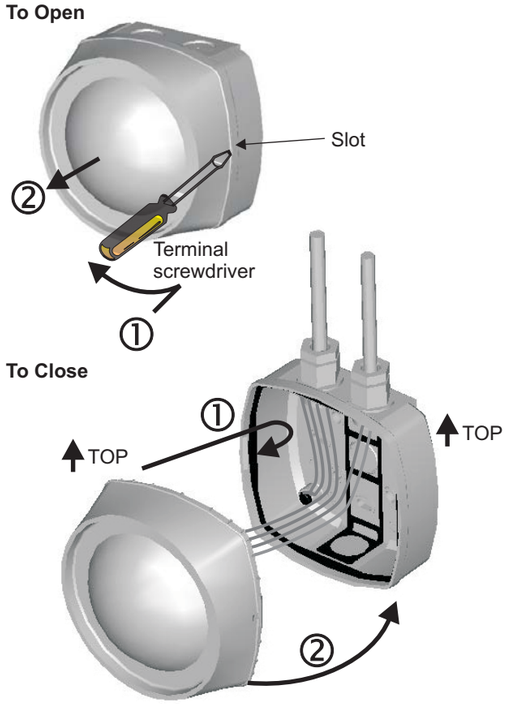
Avoid operating the S³ by fast pulsing the power to the unit.

Bases



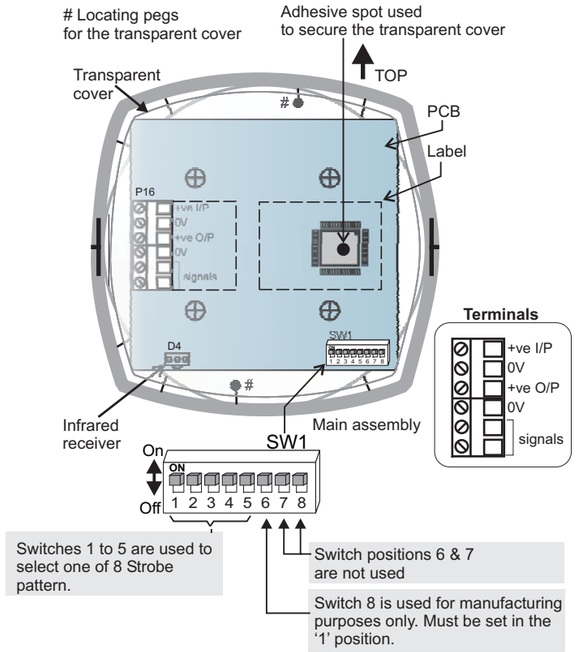
How to open and close the assembly

To Open



Installation

1. Drill or knockout the required cable entry points on the **Base**.
2. If IP55C protection is required, then stick the circular **wall gasket** on to the centre back of the **base.**
3. Secure the Base to the wall whilst ensuring Top of the Base is in correct orientation.
4. Terminate the cable at the entry point leaving no more than 10cm (4") tail wire length for connection.
5. Ensure the **transparent cover** is in place over the **PCB.** Connect the wires to the terminal block, see Wiring.
6. Select the required Strobe output by setting the switch SW1, see pattern selection table over leaf.
7. Close the main assembly to the base.
8. If necessary you can reselect the Strobe rate by making adjustment to the settings of switch SW1.

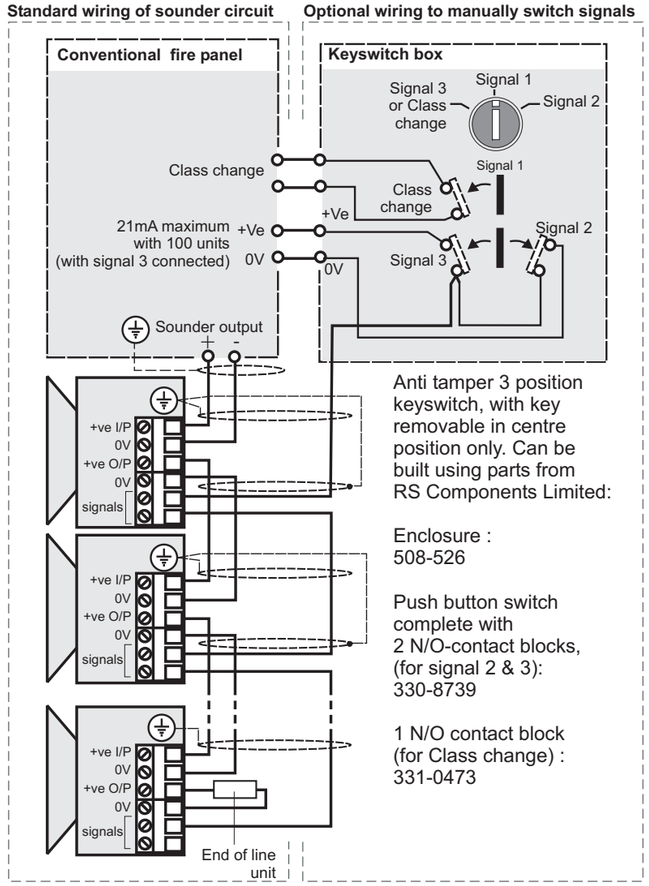


Wiring

The strobe output can be manually switched by wiring a keyswitch. The keyswitch box and contacts can be purchased from a supplier like RS components Limited.

Avoid operating the S³ by fast pulsing the power to the unit. This type of pulsed operation will affect the strobe output.

For example with the arrangement shown below you can manually activate the Signals 2 or 3 Strobe during *alarm condition* by operating the keyswitch. With an optional contact set for class change you can also also output Signal 3 during *non alarm condition.*

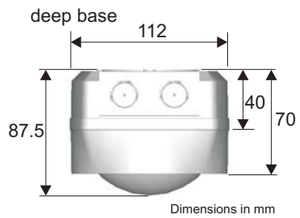


Strobe pattern selection

	Switch SW1 For information on switches 6, 7 & 8 see previous page. On (1) SW1 ON Off (0) 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8	**Signal 1**	12V mA	24V mA		**Signal 2** output	**Signal 3** output
Strobe 1	1 1 1 1 1 x x 1	1Hz	12.5	5.7		0.5Hz	1Hz
Strobe 2	1 0 1 1 1 x x 1	1Hz	12.5	5.7		0.8Hz	1Hz
Strobe 3	1 1 0 1 1 x x 1	0.8Hz	10.0	4.8		0.5Hz	1Hz
Strobe 4	1 1 0 0 1 x x 1	0.86Hz	10.5	5.0		0.5Hz	1Hz
Strobe 5	1 0 0 1 1 x x 1	0.5Hz	7.5	3.5		0.5Hz	1Hz
Strobe 6	0 1 0 1 1 x x 1	1Hz for 6s (Off for 12s)	4.5	2.2		0.5Hz	1Hz
Strobe 7	1 0 0 1 1 x x 1	1Hz for 4s (Off for 4s)	7.0	3.1		0.5Hz for 16s Off for 12s	1Hz
Strobe 8	1 0 0 1 0 x x 1	3-Sync. pulses	10.5	5.0		0.5Hz	1Hz

The typical **current data** in the table are for the Red strobe only.

Technical data



Strobe flash rate	see table
Strobe light output with red lens	equivalent to 3W Xenon flasher
Average Current	see table
Operating voltage	range 10.8V to 28.8V
Maximum reverse voltage (used for monitoring sounders)	30V <1µA
Terminal size	2.5mm^2 - maximum
IP rating for deep base	IP55C
Enclosure colour	Red body (with Red translucent lens)
Enclosure material	Flame retardant ABS (Strobe cover is polycarbonate)
Weight	0.3Kg approximate
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +70°C
Relative humidity (non condensing)	up to 90%

The S^3 Units when installed on the same circuit will provide strobe light synchronisation better than +/-30mS over 20 minutes.

At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.

WEEE Directive:
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste. Do not burn.

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