



Technical Data

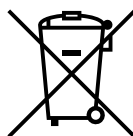
Model	SMARTWIRE SOUNDER FLASHER
Part Number	V20009
Operating Voltage	17 - 28V DC
Quiescent Current	920µA (with Detector fitted)
Alarm Current	Sounder only - 3.8mA Flasher Only - 5.5mA Sounder & flasher - 7.2mA Sounder, Flasher & detector in alarm - 14.7mA
Sound Output	Aprox 84 dB (Depending on tone - See Table)
Colour	White/Clear
Minimum Continuous Operating Temperature	0° C
Operating Temperature	-10° C to +55° C
Max Humidity	95% RH Non Condensing
Ip Rating	IP 21C
Size (Dia X H) Mm	100 x 39 (Without detector)
Weight	200g

Troubleshooting

Symptom	Probable Cause
Device not seen by panel	Check the device has the correct dip switch settings Check that wiring is the correct polarity Check the panel is compatible with an id2 base
Sounder is not operating	Check if the sounder option has been turned off for that device
Flasher is not operating	Check if the flasher option has been turned off for that device
Panel reports a smoke detector as a heat detector (and vice versa)	Check if configuration switch 8 is in the wrong position
Panel reports device in wrong zone	Check configuration switches 5,6 & 7. All devices on a zone should have the same settings for these switches.
Panel reports 2-addr	Two devices have the same switch settings. The devices will have their flasher (or led) lit to highlight the problem devices.
Panel reports detector removed fault	Check the detector is fitted correctly to the sounder flasher base
Panel reports 1 or more devices missing	Check for a cable break in that zone

Other Information

Like all electronic equipment, at the end of its working life this unit should not be disposed of in a refuse bin. It should be taken to a local reprocessing site as per the guidelines of the WEEE directive, for correct disposal.

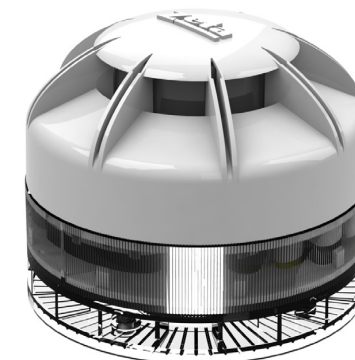


SMARTWIRE SOUNDER FLASHER INSTALLATION MANUAL

Description

The SMARTWIRE Sounder Flasher base is an indoor ceiling mounted piezo sounder/LED Flasher that works with the SMARTWIRE intelligent 2-wire Control Panel.

A SMARTWIRE detector is fitted to the base.



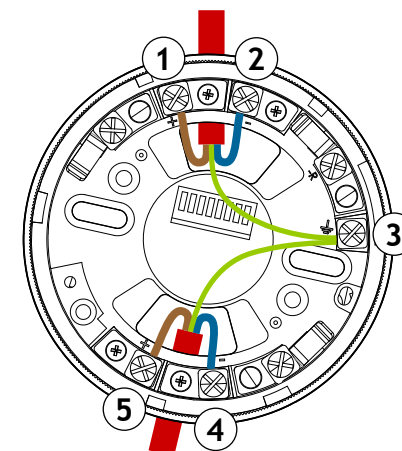
Connections

The loop wiring connects to the detector base as follows

Terminal	Label	Wire Colour	Description
1	+	Brown	Loop In +ve
2	-	Blue	Loop In -ve
3	Earth	Green/Yellow	Loop earth screen (In & Out)
4	+	Brown	Loop Out +ve
5	-	Blue	Loop Out -ve

Notes:

- The order of In & out is not important
- The zone cables do NOT connect to the detector terminals
- For Convenience it may be better to set the base configuration switches before fitting the base to the ceiling.
- The detector then fits to the base.



Device Setting

There are 3 steps to configuring an SMARTWIRE sounder flasher base. **Step 1.** Select the type of detector fitted

Switch 8	Detector type
Off	Smoke Detector
On	Heat Detector

Step 2. Select the zone the device is fitted to. Each item on a zone has the same settings

Zone Number	Switch 7	Switch 6	Switch 5
1	ON	ON	ON
2	ON	ON	OFF
3	ON	OFF	ON
4	ON	OFF	OFF
5	OFF	ON	ON
6	OFF	ON	OFF
7	OFF	OFF	ON
8	OFF	OFF	OFF

Step 3. Give the device a unique zone ID number. Each item on a zone has a different settings

ID No.	Sw 4	Sw 3	Sw 2	Sw 1	ID No.	Sw 4	Sw 3	Sw 2	Sw 1
1	ON	ON	ON	OFF	9	OFF	ON	ON	OFF
2	ON	ON	OFF	ON	10	OFF	ON	OFF	ON
3	ON	ON	OFF	OFF	11	OFF	ON	OFF	OFF
4	ON	OFF	ON	ON	12	OFF	OFF	ON	ON
5	ON	OFF	ON	OFF	13	OFF	OFF	ON	OFF
6	ON	OFF	OFF	ON	14	OFF	OFF	OFF	ON
7	ON	OFF	OFF	OFF	15	OFF	OFF	OFF	OFF
8	OFF	ON	ON	ON					

Protocol Usage

The SMARTWIRE Sounder-Flasher base works on the SMARTWIRE protocol only. The flasher can be triggered independently to the sounder.

Sounder Synchronisation

The SMARTWIRE sounder flasher base support the sounder synchronisation mechanism.

Alarm Tone Selection

The SMARTWIRE Sounder-Flasher base supports alarm tone selection. IE, the installer can decide which alarm tone the sounders will use. The alarm tone can be set for the whole system via the control panel. One of 16 tones can be chosen for the alarm tone.

No	Tone Description	Pattern	Frequency	Rate
0	BS Fire (Default tone)	Alternating	800 & 970	1Hz (500ms-500ms)
1	BS Fire	Alternating	800 & 970	2Hz (250ms-250ms)
2	BS Fire	Sweep	800 to 970	1Hz (1 per second)
3	BS Fire	Sweep	800 to 970	7Hz (7 per second)
4	BS Fire	Sweep	800 to 970	50Hz (50 per second)
5	BS Fire	Alternating	510 & 610	1Hz (500ms-500ms)
6	German fire (DIN 33 404)	Sweep (DIN)	1200 to 500	1Hz
7	French fire (NFS 32-001)	Alternating	554 & 440	100ms-400ms
8	Dutch fire (NEN 2575)	Slow whoop	500 to 1200	3.5s sweep, 0.5s silence, then repeat
9	PFEER Toxic Gas	Continuous	970	Steady
10	PFEER alert	Intermittent	970	0.5Hz (1s On/1s Off)
11	Reserved	-	-	-
12	Reserved	-	-	-
13	Reserved	-	-	-
14	Reserved	-	-	-
15	Reserved	-	-	-

Reserved tone will cause the sounder to play tone 0. The default alarm tone will be tone 0

Other Tones

The SMARTWIRE Sounder-Flasher base has 3 tones that can be triggered in normal running:-

- Alarm Tone - Selectable - see list above.
- Alert tone - 970Hz intermittent. 0.5s on, 0.5s off
- Emergency - 970Hz intermittent: 3 x 500ms pulses, 1.5s silence, then repeat

The availability of these tones will depend on the Control panel used.