

## EV-AV2 Installation instructions

- Fix base plate to ceiling using 2 x Countersunk Screws through the slots provided. **NOTE:** If wall mounting, the Base plate must be mounted with the holes for the release tool facing downwards as shown in Fig 1.
- Connect loop wires to each terminal as shown in Fig 2 below.  
**NOTE:** For Loop Continuity, if the device is removed, Common loop In & Out cables using the loop In terminals.  
**NOTE:** Ensure that excess wire is pushed back through the centre aperture as this may restrict assembly.



Figure 1

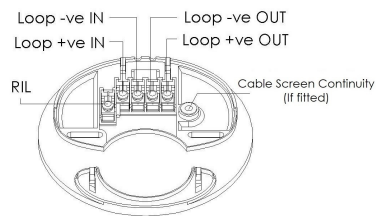
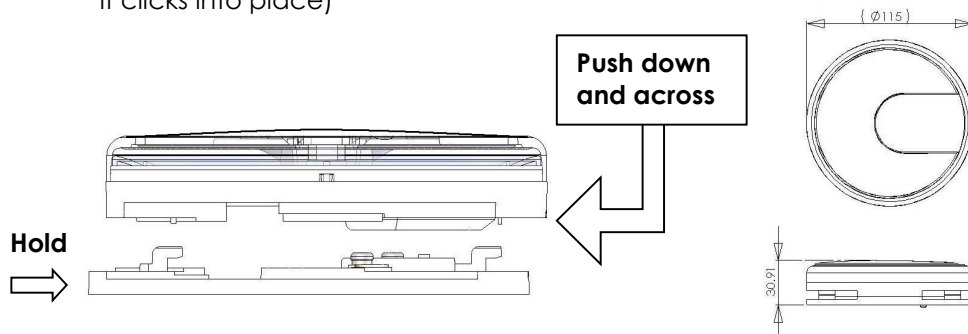


Figure 2



Follow Link for  
Installation  
Video

- Program device address using hand held programmer and adaptor EV-AVADAPT (F05N83235) or flying leads BEFORE attaching to base plate.
- Locate and clip on EV-AV2 product.  
(Push down in off-set position, hold base plate and slide across until it clicks into place)



To release, push Release Tool into holes in rim of sounder unit and slide the product in the reverse direction.

IIS-EV-AV2 Issue 12 30/10/2024

- Select tone and volume options (DIL switch & Pot. Adjust)  
DIL switch settings are below – SW1 to SW8. (SW3 Not used)

SW1	SW2	SW4	Flash type	Current	Flash frequency
OFF	OFF	ON	25 ms on, 25 ms off, 25 ms on	High – 14 mA	1 s
ON	OFF	OFF	Single 50 ms pulse	Low – 9.5 mA	2 s
OFF	ON	OFF	Single 50 ms pulse	Low – 9.5 mA	1 s
ON	ON	ON	50 ms on, 25 ms off, 50 ms on	High – 14 mA	2 s

Tone	SW5	SW6	SW7	SW8	Description	Second tone
1 Approved	OFF	OFF	OFF	OFF	660 Hz and 938 Hz alternating at 0.5 s on each freq.	Pulsed 938 1s on, 1s off
2	ON	OFF	OFF	OFF	938Hz continuous	Pulsed 938 1s on, 1s off
3	OFF	ON	OFF	OFF	938Hz pulsed 1 s on 1 s off	938Hz continuous
4 Approved	ON	ON	OFF	OFF	Sweep tone 800 Hz to 1000 Hz at 1 s	Pulsed 938 1s on, 1s off
5 Approved	OFF	OFF	ON	OFF	DIN tone 1200 Hz to 500 Hz at 1s	Pulsed 938 1s on, 1s off
6	ON	OFF	ON	OFF	Dutch tone 500 Hz to 1200 Hz at 3.5 s then 0.25 gap	Pulsed 938 1s on, 1s off
7	OFF	ON	ON	OFF	660 Hz and 938 Hz alternating Low volume. 55 dB(A)	Pulsed 938 1s/1s Lo vol.
8	ON	ON	ON	OFF	750 Hz / 1000 Hz alternating 0.5 s each freq.	Pulsed 938 1s on, 1s off
9	OFF	OFF	OFF	ON	440 Hz (100 ms) / 554 Hz (400 ms) alternating French tone	Pulsed 938 1s on, 1s off
10	ON	OFF	OFF	ON	2400 Hz to 2900 Hz sweep over 1 s	Pulsed 938 1s on, 1s off
11	OFF	OFF	OFF	ON	910 Hz and 685 Hz alternating at 0.25 s on each freq.	Pulsed 938 1s on, 1s off
12	ON	ON	OFF	ON	925 Hz and 628 Hz alternating at 0.25 s on each freq.	Pulsed 938 1s on, 1s off
13	OFF	OFF	ON	ON	DO NOT USE	
14	ON	OFF	ON	ON	DO NOT USE	
15	OFF	ON	ON	ON	DO NOT USE	
16	ON	ON	ON	ON	DO NOT USE	

**NOTES:** Unmarked Tone Switch settings are NOT approved.  
Only Maximum Volume setting (Pot fully clockwise) is approved.

EV-AV2 - Sounder.	EN54-3: 2001 - Sounders
	<p>For use with Nittan Evolution Protocol Only.  <b>Loop Voltage: 24 to 38 V d.c.</b>  <b>Quiescent Current: 200 µA</b>  <b>Alarm Current: 9.5 Low / 14 mA Hi</b>  <b>Maximum Power: 685mW</b>  <b>Sound output Horizontal 15° to 165°: 77 – 88 dB(A)*</b>  <b>Sound output Vertical 15° to 165°: 77 – 88 dB(A)*</b>  <b>* Tone Dependant</b>  <b>Volume control: Up to -15 dB adjustment</b>  <b>Operating Temperature: -10 to +55°C</b>  <b>IP Rating: IP21C</b></p>
D.o.P. Number: 21232	
	<p><b>Technical Data Sheet: TD-EV-AV2</b>  <b>Nittan Europe Ltd.</b> Tel: +44 (0) 1483 769 555  Hipleys Street, Fax: +44 (0) 1483 756 686  Old Woking, Email: <a href="mailto:sales@nittan.co.uk">sales@nittan.co.uk</a>  Surrey, GU22 9LQ Web: <a href="http://www.nittan.co.uk">www.nittan.co.uk</a>  United Kingdom</p>