VBS100-32

VEGA SLAVE 32 TONE PLATFORM SOUNDER

928w/01

GENERAL DESCIPTION

This device is a 32 tones platform sounder that emits a selected acoustic signal when the remote output of the Vega analogue detector, installed on it, is activated by the control panel in case of a fire condition.
As a slave sounder this device does not need any addressing as is usually done for other analogue devices.

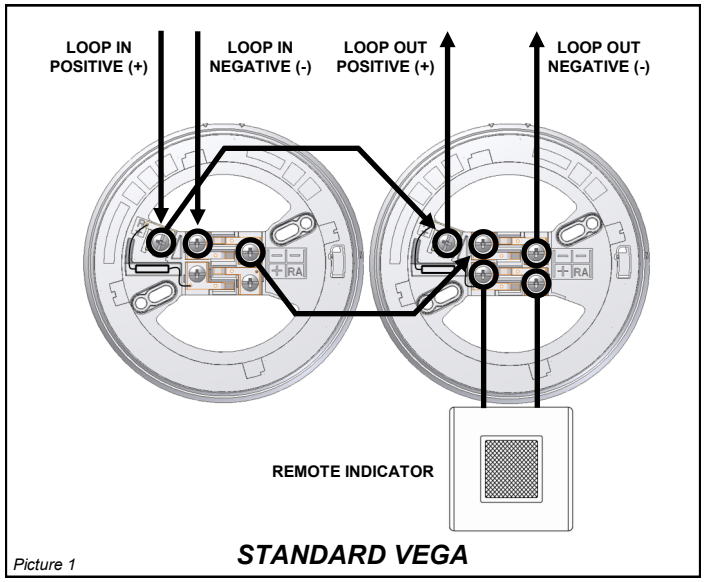
SPECIFICATIONS	
Voltage range	15 - 40Vdc
Max current	9.5mA
Max volume @ 1m*	94dBA
32 tone range	440 - 2900Hz
Temp range	-20° to 70°C
Humidity range	5 to 95%RH

INSTALLATION STEPS

1. Feed loop cable ends through rear opening on the platform sounder assembly.

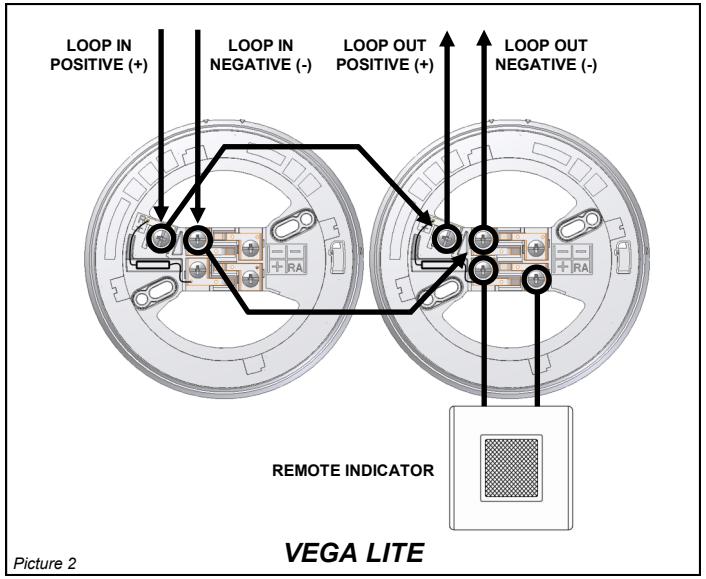
2. Fix the assembly securely either to a rear electrical box or directly to the ceiling surface.
   For mounting hole positions use suitable round or dome crosshead screw with narrow shank (e.g. 6 mm) screwdriver.

3. Terminate the loop wiring to the base terminals, please refer to the following cabling schemes; those schemes apply if standard Vega or Vega "Lite" detectors are mounted on the platform sounder base: use the scheme suitable for the type of Vega detector you are going to mount on the base.



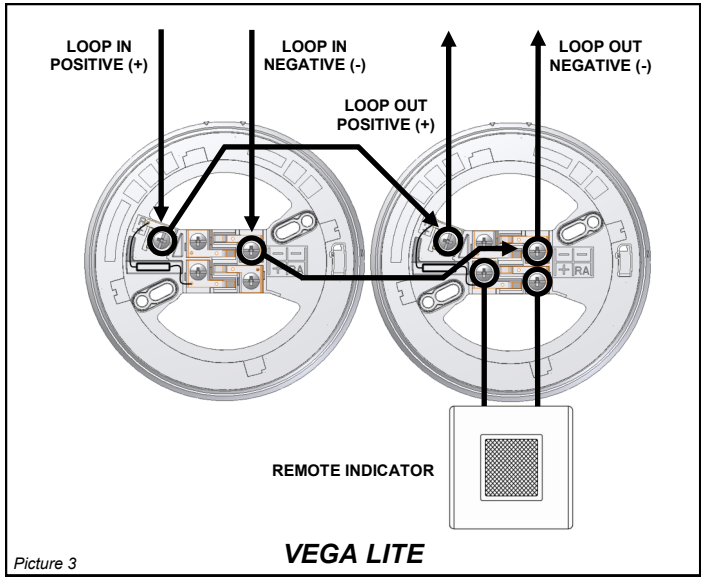
Picture 1

STANDARD VEGA



Picture 2

VEGA LITE



Picture 3

VEGA LITE

4. Choose the system alarm tone from those shown on the tone table below and select the appropriate DIP switch settings (right).

5. Select the volume output level according to the environment; use the appropriate DIP switches (right) and the volume option table below.

DIP switch settings

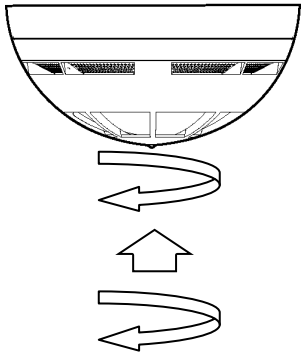
VOLUME SELECTION	D	8	B
	C	7	A
TONE SELECTIONS (SEE TABLE)	1	6	0
	1	5	0
	1	4	0
	1	3	0
	1	2	0
	NOT USED	1	NOT USED

VOLUME OPTIONS*		
LOW - 89dB	A + B	4.5mA
MEDIUM - 91dB	A + D	5.5mA
HIGH - 94dB	C + B	9.5mA

*** All sound measurements are made without additional device fitted.**

Tone No.	Tone	Description	Switch 23456
1	Warble Tone	800Hz for 500ms, then 1000Hz for 500ms	11101
2	Continuous tone	970Hz continuous	01011
3	Slow Whoop (Dutch)	500Hz-1200Hz swept for 3500ms, then off for 500ms	10101
4	German DIN tone	1200Hz-500Hz swept every 1000ms (1Hz)	00111
5	Alternate HF slow sweep	2350Hz-2900Hz swept every 333ms (3Hz)	10010
6	Alternative warble	800Hz for 250ms, then 960Hz for 250ms	11110
7	Alternative warble	500Hz for 250ms, then 600Hz for 250ms	11100
8	Analogue sweep tone	500Hz-600Hz swept every 500ms (2Hz)	10100
9	Australian Alert (Intermittent tone)	970Hz for 625ms, then off for 625ms	10001
10	Australian Evac (slow whoop)	500Hz-1200Hz for 3750ms, then off for 250ms	10110
11	FP1063.1-Telecom	800Hz for 250ms, then 970Hz for 250ms	00001
12	French tone AFNOR	554Hz for 100ms, then 440Hz for 400ms	00101
13	HF Back up Interrupted tone	2800Hz for 1000ms, then off for 1000ms	11011
14	HF Back up Interrupted tone - fast	2800Hz for 150ms, then off for 150ms	11001
15	HF Continuous	2800Hz continuous	01001
16	Interrupted tone	800Hz for 500ms, then off for 500ms	01111
17	Interrupted tone medium	1000Hz for 250ms, then off for 250ms	01101
18	ISO 8201 LF BS5839 Pt 1 1988	970Hz for 500ms, then off for 500ms	01110
19	ISO8201 HF	2850Hz for 500ms, then off for 500ms	01100
20	LF Back up Alarm	800Hz for 150ms, then off for 150ms	11010
21	LF Buzz	800Hz-950Hz swept every 9ms (110Hz)	01010
22	LF Continuous tone BS5839	800Hz continuous	11000
23	LF Sweep	800Hz-1000Hz swept every 500ms (2Hz)	11111
24	Siren 2 way ramp (long)	500Hz-1200Hz rising for 3000ms, 1200Hz-500Hz falling for 3000ms	00000
25	Siren 2 way ramp (short)	500Hz-1200Hz rising for 250ms, 1200Hz-500Hz falling for 250ms	00010
26	Swedish all clear signal	660Hz continuous	00100
27	Swedish Fire signal	660Hz for 150ms, then off for 150ms	00110
28	Sweep tone (1 Hz)	800Hz-900Hz swept every 1000ms (1Hz)	10111
29	Sweep tone (3 Hz)	800Hz-970Hz swept every 333ms (3Hz)	10011
30	Sweep tone (9 Hz)	800Hz-970Hz swept every 111ms (9Hz)	01000
31	US Temporal Pattern HF	2900Hz for 500ms on, 500ms off (x3), then 1500ms off	00011
32	US Temporal Pattern LF	950Hz for 500ms on, 500ms off (x3), then 1500ms off	10000

6. Fit the detector (below) and test operation after configuring the sounder as recommended by your panel supplier.



1. Position the detector centrally on the mounting base (**ensure it is level**).

2. Rotate clockwise applying gentle pressure. The detector will drop into its keyed location.

3. Press more firmly to win the force of the contacts.

4. Continue to rotate clockwise a few degrees until the detector has fully engaged in the mounting base.

5. When the detector is firmly engaged verify the alignment between the detector and the raised reference marks on the base.

WARNINGS AND LIMITATIONS

Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that this device is only used with compatible control panels. Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation.
Smoke sensors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Sensors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions.
Refer to and follow national codes of practice and other internationally recognized fire engineering standards. Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

WARRANTY

All devices are supplied with the benefit of a limited 3 year warranty relating to faulty materials or manufacturing defects, effective from the production date indicated on each product.
This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage.
Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified.
Full details on our warranty and product's returns policy can be obtained upon request.

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VBS100-32

For use in compatible fire detection and alarm system
Type A For indoor use only