



Vulcan 2 DS

MANUAL - 01/2017

Detector Sounder/ Beacon

MADE IN PORTUGAL - EU

GLOBAL FIRE EQUIPMENT S.A.

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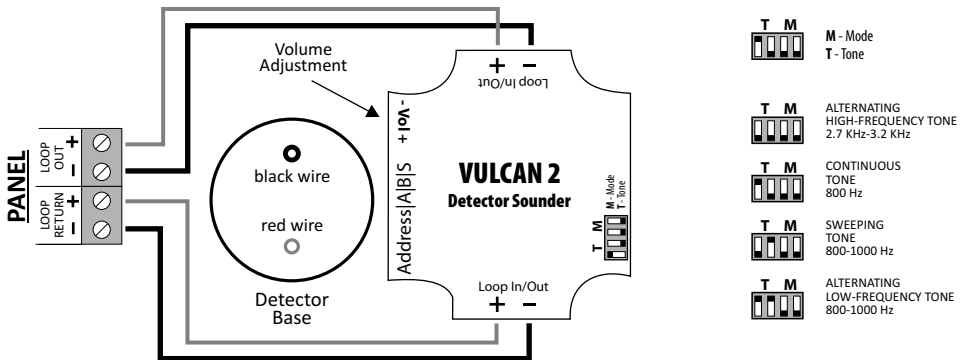
TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	Loop Powered - 20 V to 30 V DC			
LOOP CURRENT - QUIESCENT	430 uA & 550 uA with isolator - add conventional detector quiescent current			
LOOP CURRENT - SOUNDER/BEACON ACTIVE	SOUNDER	SOUNDER/BEACON	SOUNDER W. ISO.	SOUNDER/BEACON W. ISO.
Sweeping Tone 800-1000 Hz	2.5 mA	3.3 mA	2.65 mA	3.45 mA
Alternating High Freq. 2.7-3.2 KHz	5 mA	6.4 mA	5.15 mA	6.55 mA
Continuous Tone 800 Hz	2.5 mA	3.3 mA	2.65 mA	3.45 mA
Alternating Low-Freq. 800-1000 Hz	2.5 mA	3.3 mA	2.65 mA	3.45 mA
LOOP CURRENT - BEACON	Beacon 2.5 mA Beacon with isolator 2.7 mA			
MAXIMUM SOUNDER OUTPUT	97 dB (@ 1 meter - 30 V DC)			
CABLE SIZE	0.5-2.5 mm ²			
RESET/START-UP TIMES	20 seconds max.			
PROTECTION CATEGORY	Type A - Indoor Use - Rating IP21C			
COLOUR / CASE MATERIAL	White or Red / ABS			
OPER. TEMPERATURE / MAX. HUMIDITY	-10°C to 55°C / 95% RH Non-Condensing			
DIMENSIONS / WEIGHT	100 (D) x 50 (H) mm inc. base / 144 g inc. base			

ORDER CODE	DESCRIPTION
VULCAN 2 DS	VULCAN 2 DETECTOR SOUNDER
VULCAN 2 DSI	VULCAN 2 DETECTOR SOUNDER WITH ISOLATOR
VULCAN 2 DSB	VULCAN 2 DETECTOR SOUNDER WITH BEACON
VULCAN 2 DSBI	VULCAN 2 DETECTOR SOUNDER WITH BEACON WITH ISOLATOR
VULCAN 2 DB	VULCAN 2 DETECTOR BEACON
VULCAN 2 DBI	VULCAN 2 DETECTOR BEACON WITH ISOLATOR
VULCAN 2 L	LID FOR VULCAN 2
VULCAN 2 LT	TRANSPARENT LID FOR VULCAN 2

NOTE: Add to sounder/ beacon current when active, conventional detector current in alarm which is internally limited to a maximum of 12 mA.

CONNECTIONS AND TONE/MODE SETTINGS



Mode Selection

1 2 3 4	1 2 3 4	1 2 3 4

Normal Sounder Optical Detector Heat Detector

When connecting the conventional detector always follow the manufacturer's instructions to ensure proper operation.

NOTE: If Mode (M) SW 3 & SW 4 are set to OFF, the device will behave like a **normal addressable sounder**.

In this mode no detectors, conventional or analogue addressable can be connected to this sounder unit.

The **shadow sounder mode** will still be available by placing switch no. 8 in the OFF position.

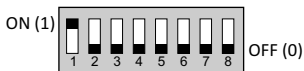
INSTALLATION

Detector Sounder/ Beacon - The Vulcan 2 Detector Sounder/ Beacon is a Base Sounder and/or Beacon which is also used to interface one conventional detector to the Analogue Addressable Loop. The number of Detector Sounders/ Beacons connected to each Loop is dependent on Loop loading and in any case the total number/ loop should not exceed 64. If only detector sounders are used then this number may be increased to 96 sounders per loop. This includes normal addressable sounder beacons placed between address 94 and 125. These are fully programmable in sounder groups.

Detector Sounders are always placed between address 1 and 63 and cannot be included in sounder groups. Device will report to the panel as either a SMOKE or HEAT detector depending on MODE jumper position.

CAUTION: SHADOW Sounder/ Beacon - The Vulcan 2 Addressable Detector Sounder/ Beacon should NOT be configured as a Shadow Sounder/ Beacon using the 8-way dip switch provided. Switch 8 should always be in the ON position.

D.I.L. SWITCHES CONFIGURATION



Switches 1-5
Used to configure the
Sounder/Beacon address

Switch 6
Only used for Detector Sounders Address

Switch 7
OFF Beacon stops with ALARM SILENCE
ON Beacon stops with RESET

Address Switches

Binary Weights
1 ON = 1 4 ON = 8
2 ON = 2 5 ON = 16
3 ON = 4 6 ON = 32

Sounder Type

Switch No. 8
OFF = Shadow
ON = Normal

SOUNDER/ BEACON ADDRESS SETTINGS

94	95	96	97	98	99	100	101
102	103	104	105	106	107	108	109
110	111	112	113	114	115	116	117
118	119	120	121	122	123	124	125

DETECTOR SOUNDER/ BEACON ADDRESS SETTINGS

01	02	03	04	05	06	07	08
09	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	