



VULCAN 2 DS

DETECTOR SOUNDER/ BEACON

MADE IN PORTUGAL - EU

GLOBAL FIRE EQUIPMENT S.A.

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TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	Loop Powered - 20V to 30V 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 DSB I	VULCAN 2 DETECTOR SOUNDER WITH BEACON WITH ISOLATOR
VULCAN 2 DB	VULCAN 2 DETECTOR BEACON
VULCAN 2 DB I	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

M - Mode
T - Tone

ALTERNATING HIGH-FREQUENCY TONE 2.7 KHz-3.2 KHz

CONTINUOUS TONE 800 Hz

SWEEPING TONE 800-1000 Hz

ALTERNATING LOW-FREQUENCY TONE 800-1000 Hz

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

















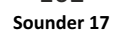
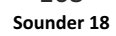
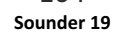
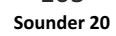
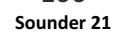
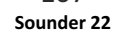
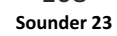
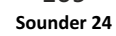
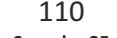
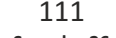
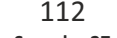
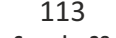
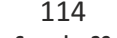
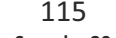
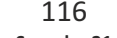
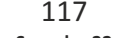
Binary Weights

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


































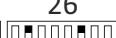














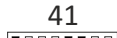

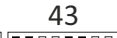

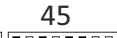


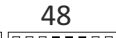

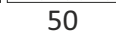
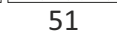
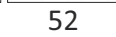
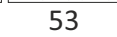
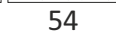
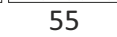
Sounder Type

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	