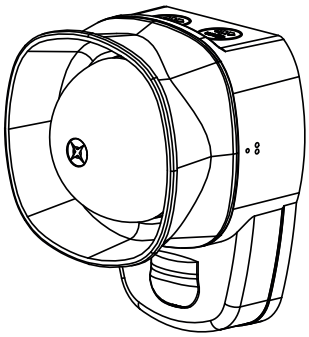
CASB493 *1
CASB483 *2
CASB493WP *1
CASB483WP *2

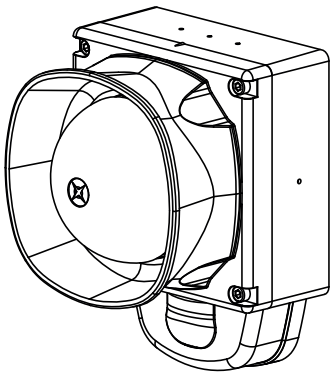
CE 16

DOP0420
DOP0421
DOP0422
DOP0423

Addressable Wall Sounder VAD



Wall Sounder/
Beacon VAD
Type A (IP21C)



Wall Sounder/
Beacon VAD
Type A (IP33C)
IP66*3

EN54-3:2001 Fire Alarm Devices - Sounders
EN54-17:2005 Short Circuit Isolators
EN54-23:2010 Fire Alarm Devices -
Visual Alarm Device VAD

19 - 30 Vdc

Type A=-10 to +55ºC (95%RH)
Type B=-25 to +70ºC (95%RH)

Continuous 984Hz
Pulsed 984 / 0Hz pulse 1Hz
(Not EN54-3 Approved)
TwoTone 644/984Hz @ 1Hz cycle
Slow whoop 500-1200Hz in 3.5 secs
/0.5 secs gap

ABS FR Plastic

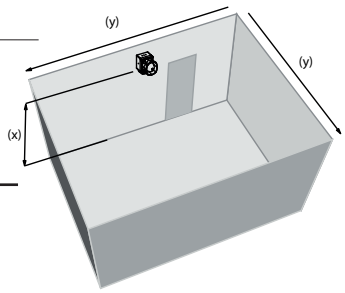
Type A= IP21C, Type B= IP33C, IP66*3

1.425W (max power)

0.5Hz or 1Hz

0.5~2.5mm² / FIRETUF, FP200 or MICC

Note: Polar dispersion information available in the technical manual (Ref: M15-001)



Wall Mounted W-x-y

	*1 White LED Variants			*2 Red LED Variants		
Volume Setting	High	Medium	Low	High	Medium	Low
Imax (mA) / Pmax (W) VAD High Power 1Hz *4	47.5 / 1.425	46.5 / 1.395	45.8 / 1.374	40.5 / 1.215	39.5 / 1.185	38.8 / 1.164
Imax (mA) / Pmax (W) VAD Low Power 1Hz *4	38.0 / 1.14	37.0 / 1.11	36.3 / 1.089	33.0 / 0.99	32.0 / 0.96	31.3 / 0.939
Imax (mA) / Pmax (W) VAD High Power 0.5Hz *4	38.0 / 1.14	37.0 / 1.11	36.3 / 1.089	33.0 / 0.99	32.0 / 0.96	31.3 / 0.939
Imax (mA) / Pmax (W) VAD Low Power 0.5Hz *4	16.7 / 0.501	15.7 / 0.471	15.0 / 0.45	15.1 / 0.453	14.1 / 0.423	13.4 / 0.402
VAD Coverage (x)	2.4	2.4	2.4	2.4	2.4	2.4
VAD Coverage (y) m VAD High Power	7.27 (7.25*5)	7.27 (7.25*5)	7.27 (7.25*5)	7.5	7.5	7.5
VAD Coverage (y) m VAD Low Power	2.18 (1.24*5)	2.18 (1.24*5)	2.18 (1.24*5)	2.5	2.5	2.5
VAD Coverage m^2	126.85 (126.15*5)	126.85 (126.15*5)	126.85 (126.15*5)	135	135	135
SPL @ 1m ± 3dB (set via control panel)	99dB	95dB	90dB	99dB	95dB	90dB

*4 sounder and VAD combined
*5 WP variant

Short Circuit Isolation Data (Integral with each Sounder Beacon)

Total Loop Resistance for correct operation of short circuit isolator	50Ω (max)
Parallel Fault Resistance to be seen at the Control Panel for isolators to be open	200Ω (typ)
Continuous Current allowable through isolator	1A (IC max)
Leakage Current into direct short circuit with isolator open	0.26Ω (max)
Maximum leakage current in the isolated state	14mA @30V
Voltage at which isolator changes from open to closed state	11V (max) 3.8V (min)
Voltage at which isolator changes from closed to open state	16V (max) 13V (min)
Maximum switching current of isolator	1.3A

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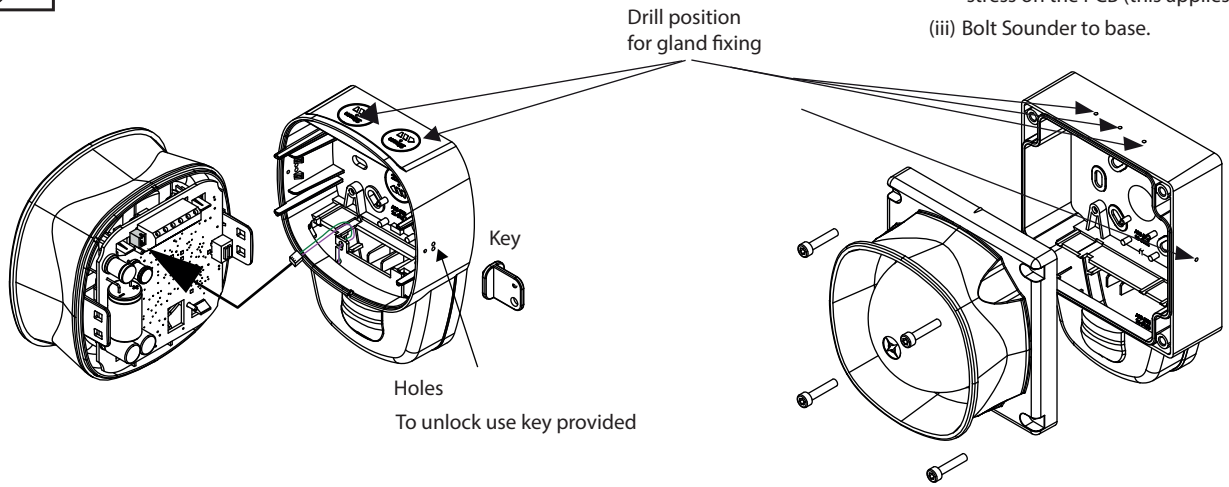
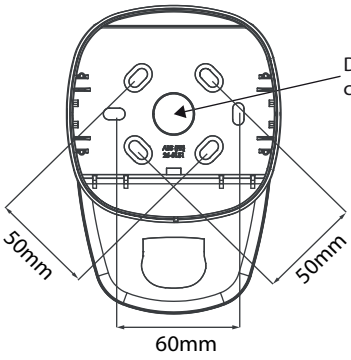
Technical Data

Addressable Wall Sounder VAD

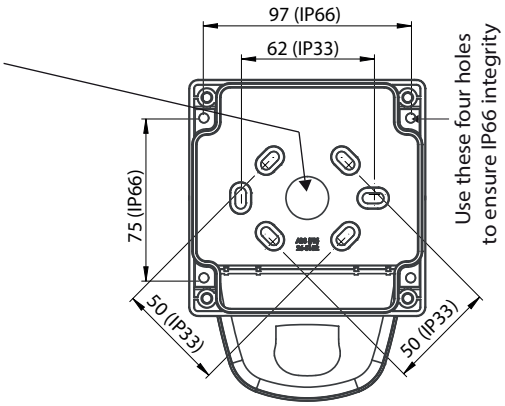
(i) Location ribs must align on base and sounder.
(ii) Ensure cables do not put stress on the PCB (this applies to both variants).
(iii) Bolt Sounder to base.





(i) Drill required holes for cable gland fixing.
(ii) Drill out required fixing holes.
(iii) Fix to mounting surface using suitable screws.

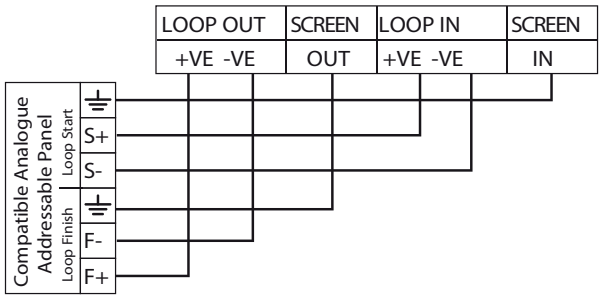
*Note device IP21C compliant using either the rear cable entry or cable gland fixing methods .



(i) 20mm drill holes required for cable gland fixing (top & sides) and ensure cables are correctly sealed for IP33C & IP66 integrity
(ii) Fix to mounting surface usingtwo suitable screws.

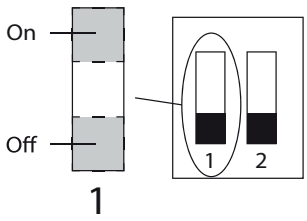
*Note device only IP21C compliant if wired via the rear entry method.

*3 Note, device not EN54 approved to IP66.



(i) Do NOT use high voltage testers if ANY equipment is connected to the system.
(ii) Screen must be continuous along length of loop.

Signal protocol specified in PR200-07-400-11



1. Flash Rate: ON = 1Hz, OFF = 0.5Hz
2. Flash Power: ON = High Power, OFF = Low Power

Manufactured By
Eaton Electrical Systems Ltd
Wheatley Hall Road, Doncaster, DN2 4NB
Tel: +44 (0)1302 303 350
Fax:+44 (0)1302 303 220
firetechsupport@eaton
www.cooperfire.com
www.eaton.com
Made in the UK

Eaton Industries Manufacturing GmbH
Electrical Sector EMEA
Route de la Longeraie 7
1110 Morges, Switzerland
Eaton.eu

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