Technical Data

CE 17
2831
DoP0431
DoP0432

	Specification
Supply Voltage	18 to 32 Vdc
Cable size	0.5mm² ~ 2.5mm²/FIRETUF, FP200 or MICC
Standby current	< 320 µA
Sound output @ +/-3d8 (set by panel)	Low volume : 83dB @ <6.5mA Medium volume : 90dB @ <7.5mA High volume : 93dB @ <8.5mA
Environment Category CASB383-B	Type A - IP21C Operating temp -10°C to +50°C (95%RH)
Environment Category CASB383WP-B	Type B - IP33C Operating temp -25°C to +70°C (95%RH)
Compliance	EN54-3 Fire Alarm Device - Sounder, EN54-17:2005
Tones (set by panel)***	Bell Tone*, Continuous 984Hz , Pulsed 984 / 0Hz pulse 1Hz, Two Tone 644 / 984Hz @ 1Hz cycle
Beacon	1 Hz Flash**

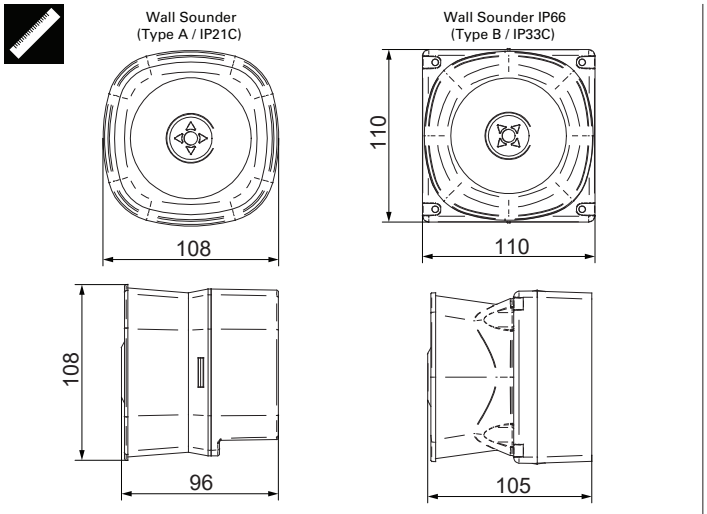
	Short Circuit Isolation Data (Integral with each Sounder Beacon)
Total Loop Resistance for correct operation of short circuit isolator	50Ω (max)
Parallel Fault Resistance to be seen at the Control Panel for isolators to open	200Ω (typ)
Continuous Current allowable through isolator	700mA (max)
Isolator Resistance in closed state	0.26Ω (max)
Leakage Current into direct short circuit with isolator open	14mA (max)
Voltage at which isolator changes from open to closed or closed to open state	3.8V to 11V
Maximum switching current of isolator	1.5A

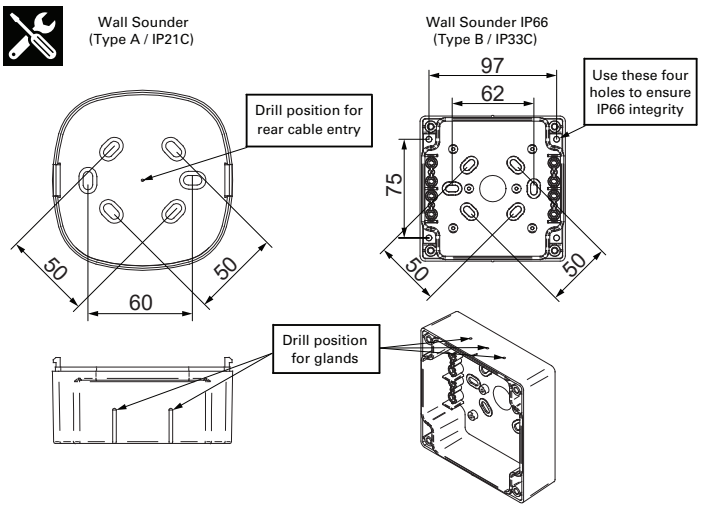
	Order Codes
Addressable Wall Sounder / Beacon - Cooper	CASB383-B
Addressable Wall Sounder / Beacon IP66 - Cooper	CASB383WP-B

Short Circuit Isolators

Each of the sounder beacons in this range contain an integral short circuit isolator, which operates between the - VE COM IN terminal and the -VE COM OUT terminal (terminals 1 & 2; see base wiring diagram). The isolator operates in conjunction with a compatible addressable Control Panel when a low parallel resistance fault of typically 200 is presented between the +VE and -VE of the loop wiring.

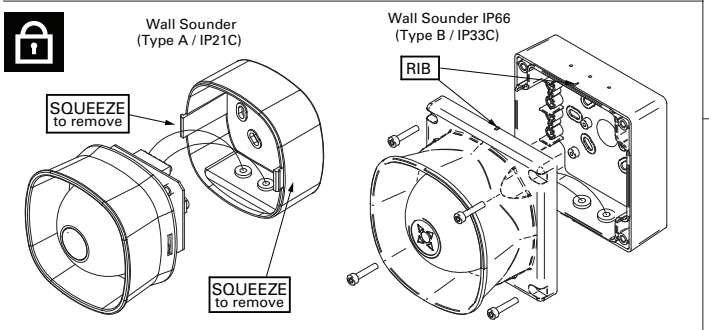
* The bell tone is not EN54-3 certified.
** The beacon is supplementary indication only.
Do not use where an EN54-23 compliant VAD is required.
*** **Note:** Polar dispersion information available in the Technical manual (Ref:M05-021)





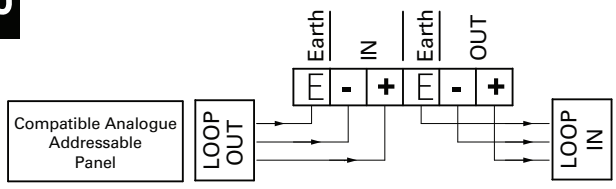
(i) Drill required holes for cable gland fixing
(ii) Drill out the required fixing holes
(iii) Fix to mounting surface using two suitable screws

(i) Drill required holes for cable gland fixing (top or bottom) and ensure cables are correctly sealed for IP33C and IP66 integrity.
(ii) Fix to mounting surface using four suitable screws
NOTE: not EN54-3 certified to IP66, manufacturers declaration.



(i) Clip sounder onto base
(ii) Ensure cables do not put stress on the PCB

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



WARNING Do **NOT** use high voltage testers if **ANY** equipment is connected to the system. Earth screen must be continuous along entire length of loop.

Eaton Electrical Systems Ltd.
Wheatley Hall Road
Doncaster
DN2 4NB
TEL: +44 (0) 1302 303303
FAX: +44 (0) 1302 367155

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland
Eaton.eu
TEL: +44 (0) 1302 321541
FAX: +44 (0) 1302 303220
FireCustomerService@eaton.com
FireTechSupport@eaton.com

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