

CASB393, FXN559LPS, MASB880, CASB393WP, FXN559LPSWP, MASB880WP Wall Sounder Visual Alarm Open Class Device

Specification

Supply Voltage	: 19 – 30Vdc
Cable Size / type	: 0.5 – 2.5mm ² / FIRETUF, FP200 or MICC
Standby current	: < 450 uA
Operating temperature	: -10 to +55 degrees C (95%RH)
Sound output @ +/-3dB (set by panel)	: Low volume : 87dB @ <8.6mA Medium volume : 93dB @ <10mA High volume : 100dB @ <11mA
Environment Category CASB393	: Type A
Environment Category CASB393WP	: Type B
Compliance	: EN54-3 Fire Alarm Device – Sounder : EN54-17:2005 : EN54-23:2010 Fire Alarm Device - VAD

Tones	: Continuous 984Hz
(set by panel)	: Pulsed 984 / 0Hz pulse 1Hz*
	: Two Tone 644 / 984Hz @ 1Hz cycle
Beacon	: Slow whoop 500-1200Hz in 3.5 seconds / 0.5secs gap : 0.5Hz Flash

Polar dispersion information available in the technical manual (Ref:M05-011). For signal protocol refer to Cooper communication protocol document.



714q/01
714q/02



0832-CPR-F0319
0832-CPR-F0320

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 overleaf). The isolator operates in conjunction with the Cooper Control Panel when a low parallel resistance fault of typically 200 is presented between the +VE and -VE of the loop wiring.

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

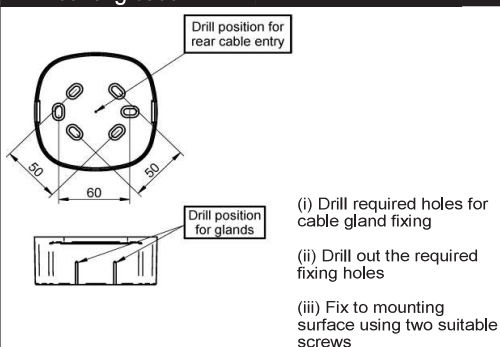
Order Codes

CASB393, FXN559LPS, MASB880	Addressable Wall Sounder / Beacon
CASB393WP, FXN559LPSWP, MASB880WP	Addressable Wall Sounder / Beacon IP66

Installation Details

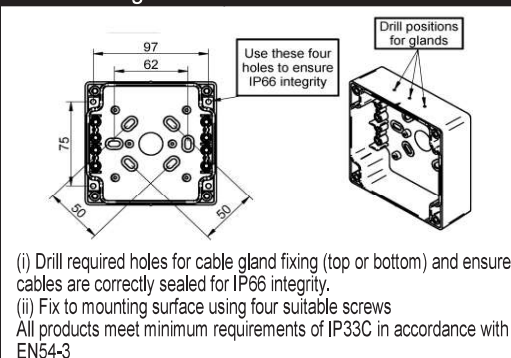
Wall Sounder (Type A / IP21C)

1. Mounting base

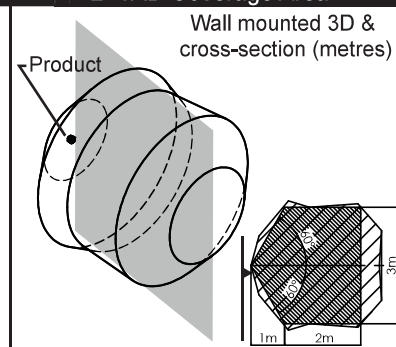


Wall Sounder IP66 (Type B / IP33C)

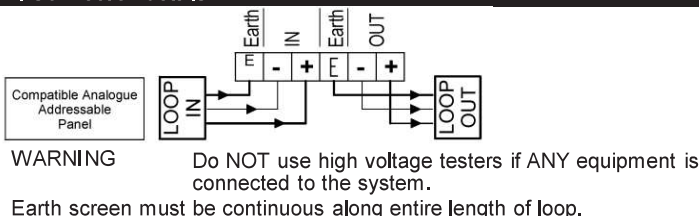
1. Mounting base



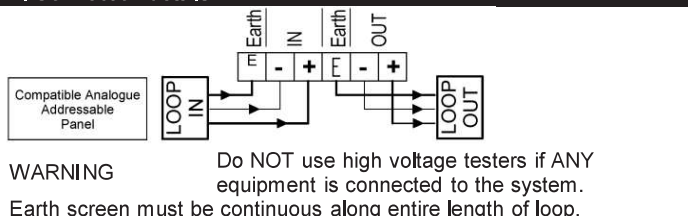
2. VAD Coverage Area



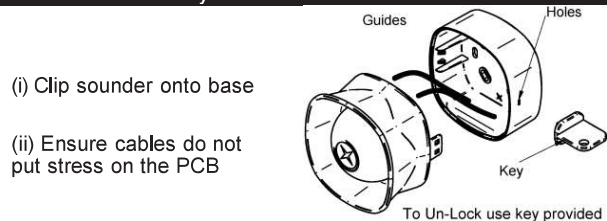
3. Connection details



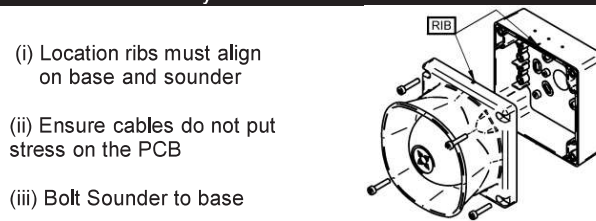
3. Connection details



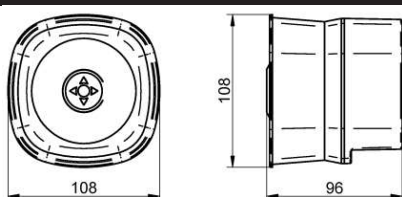
4. Sounder assembly



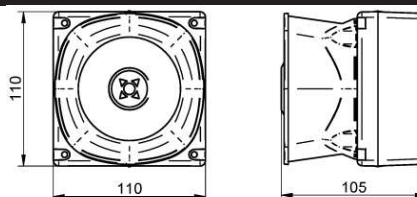
4. Sounder assembly



Dimensions



Dimensions



* Not EN54-3 Approved

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