

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/ 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 : Type A
 Environment Category : 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

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

Wall Sounder IP66 (Type B / IP33C)

1. Mounting base

(i) Drill required holes for cable gland fixing (top or bottom) and ensure cables are correctly sealed for IP66 integrity.
 (ii) Fix to mounting surface using four suitable screws
 All products meet minimum requirements of IP33C in accordance with EN54-3

2. VAD Coverage Area

3. Connection details

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.

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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.

4. Sounder assembly

(i) Clip sounder onto base
 (ii) Ensure cables do not put stress on the PCB
 To Un-Lock use key provided

4. Sounder assembly

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

Dimensions

Dimensions

* Not EN54-3 Approved

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