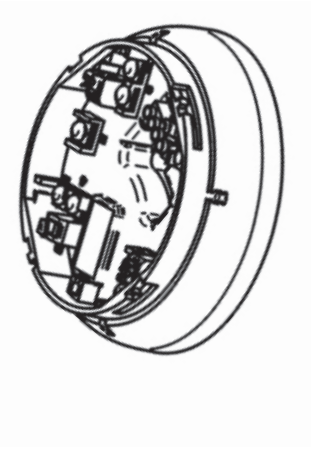
CASBB394 VAD Base(Open Category)

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

714q/03 714q/04 0832
DOP0418
DOP0419



19 - 30 Vdc	
-10 to +55 degrees C (95%RH)	
< 450 uA	
0.5 - 2.5mm/ FIRETUF, FP200 or MICC	
Type A / IP21C	
ABS/PC FR Plastic	
Flash 0.5Hz, Category O VAD (for coverage details see page 2)	
@ (+/-3dB) (set by panel) Low volume : 83dB @ <8.6mA (258mW max)* Medium volume : 90dB @ <10mA (300mW max)* High volume : 93dB @ <11mA (330mW max)*	
(Set by panel)** Continuous 910Hz Pulsed 910 / 0Hz pulse 1Hz*** TwoTone 610 / 910Hz @ 1Hz cycle Slow whoop 500-1200Hz in 3.5 seconds / 0.5secs gap	

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.
(see base wiring diagram overleaf).

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

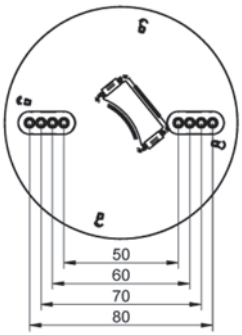
Short Circuit Isolation Data (Integral with each Sounder Beacon)

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 be open	200Ω (typ)
Continuous Current allowable through isolator	1A (IC max)
Isolator resistance in closed state	0.26Ω (max)
Maximum leakage current in the isolated state	14mA (max)
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	11V (max) 3.8V (min)
Maximum switching current of isolator	1.5A

Order Codes

CASBB394, FXN557, MASB890	Loop Mounted Sounder/VAD
CASB B394-O	Loop Mounted Sounder/VAD Open Protocol
CASC	Cover for Sounder Base (5 Pack)

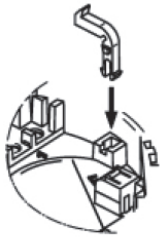
Powering Business Worldwide



(i) Knock-Out the required fixing holes

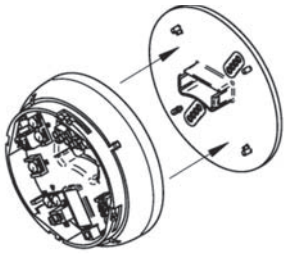
(ii) Fix to mounting surface using two suitable screws

If the base deforms on an uneven surface, loosen the screws or move to a more flat position.



Fit the locking tab into the square hole on the sounder.

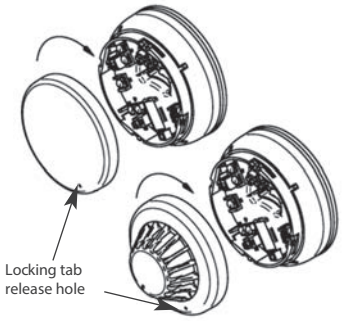
Finish assembly as stage 5.



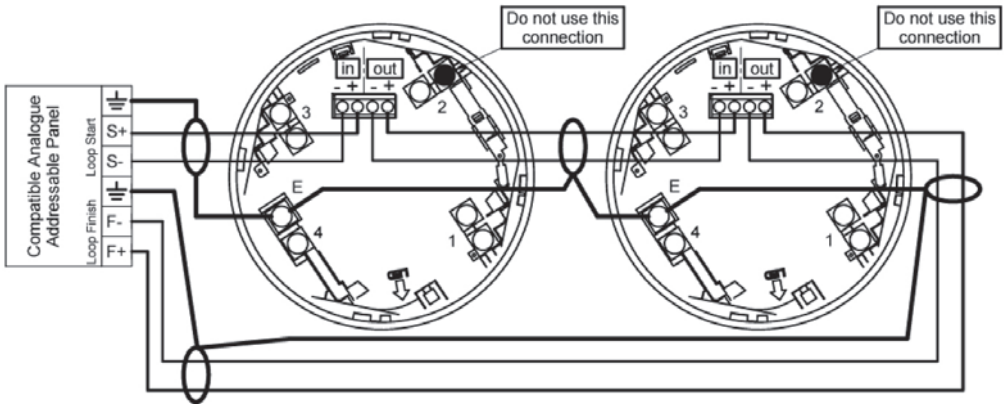
(i) Clip Sounder onto base

If sounder needs to be removed use a small screwdriver to unclip

Do not bring excessive cable into the sounder/beacon as this can interfere with the fitting of the detector, keep cable tails to a minimum.

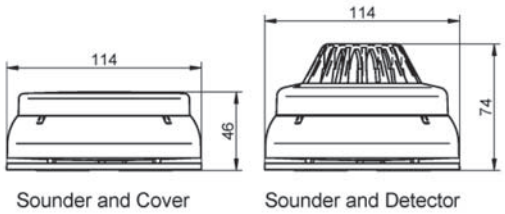


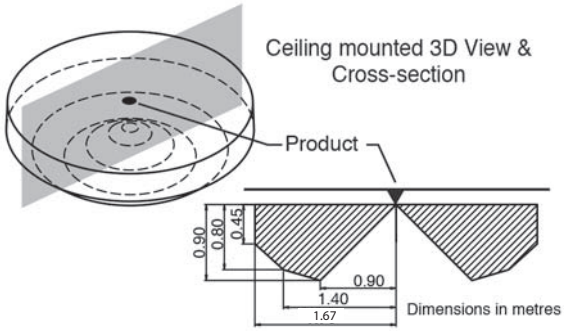
Remove by inserting a suitable tool (eg screw-driver) into the hole in the detector / cover, the rotate detector / cover anti-clockwise.



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.





**Note: Polar dispersion information available in theTechnical manual (Ref:M16-003)
For signal protocol refer to Cooper communication protocol document.
For the table of essential characteristics refer to DoP.
* Includes VAD
*** Not EN54-3 Approved

Manufactured By

Eaton Electrical Systems Limited
Wheatley Hall Rd,
South Yorkshire
Doncaster, DN2 4NB
Tel: +44 (0)1302 303 350
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

Powering Business Worldwide