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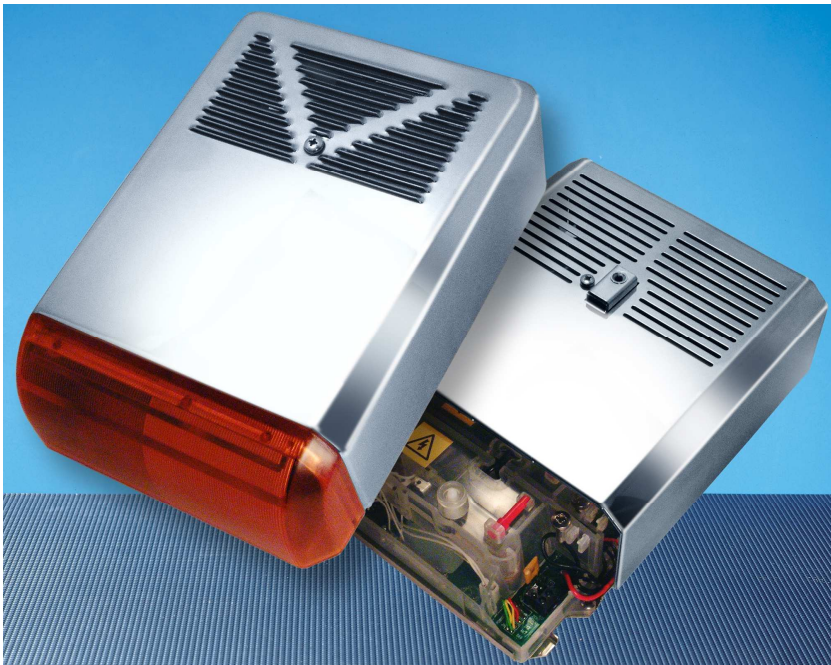
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SABRE 5000 External Sounder

- High Integrity Polished Stainless Steel Cover, Inner Cover and Backplate
- High Output Siren – 120dB(A) peak
- Integral Strobe – 1 Watt Xenon tube
- High Security Electronics Module Cover
- Microprocessor Controlled
- Active Inrush Current Limit on Strobe, with Power Save
- Time out of 8 minutes, with 5 seconds Test Facility
- 2-Way Tamper – Cover and Rear
- Conformal Coated Board
- 3mm Polycarbonate Lens
- Recharge 2.1 or 7 Ah Battery (Not included)



The Sabre 5000 sounder is a high specification warning device designed for use in installations requiring the highest levels of security protection. With its high quality stainless steel cover the Sabre 5000 is ideal where product integrity is fundamental. The contemporary appearance of the highly polished cover delivers an aesthetically pleasing look in every installation.

The Sabre 5000 fully meets the requirements of EN50131-4:2009 as a self-powered warning device for external applications at Security Grade 2 and Environmental Class IV.

MOUNTING

Installation should be carried out in accordance with current regulations.

Mounting

Select a suitable position for the siren.

- Find a prominent position to maximise deterrence
 - Suitable for cable access and for safe access by ladder for installation
 - High enough to deter vandalism and tampering
1. Screws holes are provided for wall fixing. The top central hole is a keyhole to ease mounting and to allow the unit to be levelled before the other holes are drilled.
 2. Drill holes as required for fixing the backplate to the wall and for cable entry to the rear of the unit.
 3. Fit tamper extender (if required) and trim to desired length. See Page 6.
 4. Route cable through the entry hole.
 5. Elmdene recommends 3 fixings using No. 10 steel screws or as required by relevant standards.
 6. Ensure that the backplate is fixed securely to the wall.

COMMISSIONING

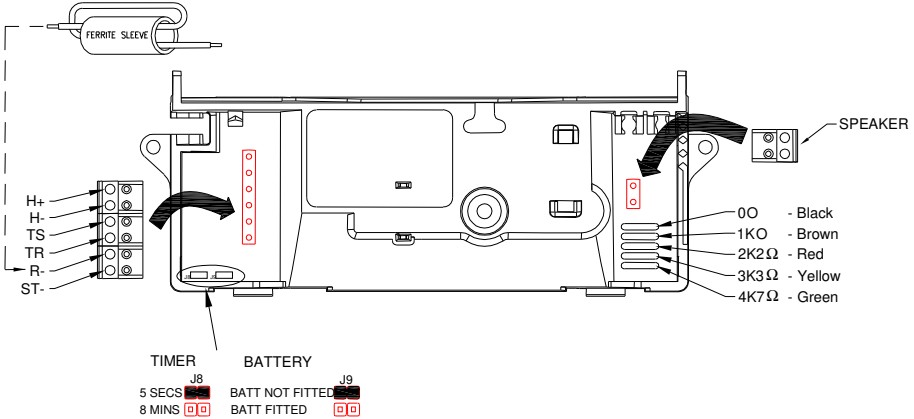
WARNING: Siren may produce high sound pressure levels during commissioning. Wear hearing protection.

1. Close the 5-second link.
2. Fit "Batt Not Fit" Link **OR** Connect the Battery: ensure correct polarity.
3. Apply power to Siren via H+ and H- from Control Panel.
4. Strobe will flash until ST- is pulled up to H+
5. The tamper pin may be extended by adding the extender provided on the module cover.
6. Select correct end of line resistor value by cutting all except the resistor value required.
7. Test sounder by triggering R-.
8. The siren will sound for 5 seconds.
9. Remove 5 second link.
10. Fit the cover.

CONNECTION

Fit Ferrite loop into all wires

Figure 1 (Connections)



JUMPER SETTINGS

1. Batt Not Fitted: Fit this link if siren is to be used **WITHOUT** an internal lead acid battery. Prevents excessive current draw from the panel.
2. 5 Sec: Fit this link to change the standard 8 minute timeout to 5 seconds for engineering test.

WIRE LINK SETTINGS

For End of Line resistor configuration - cut all of the wire links except the link required for your required resistor value

Figure 2—Single Siren Tamper Connection

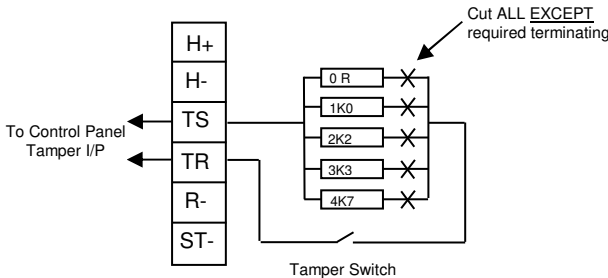
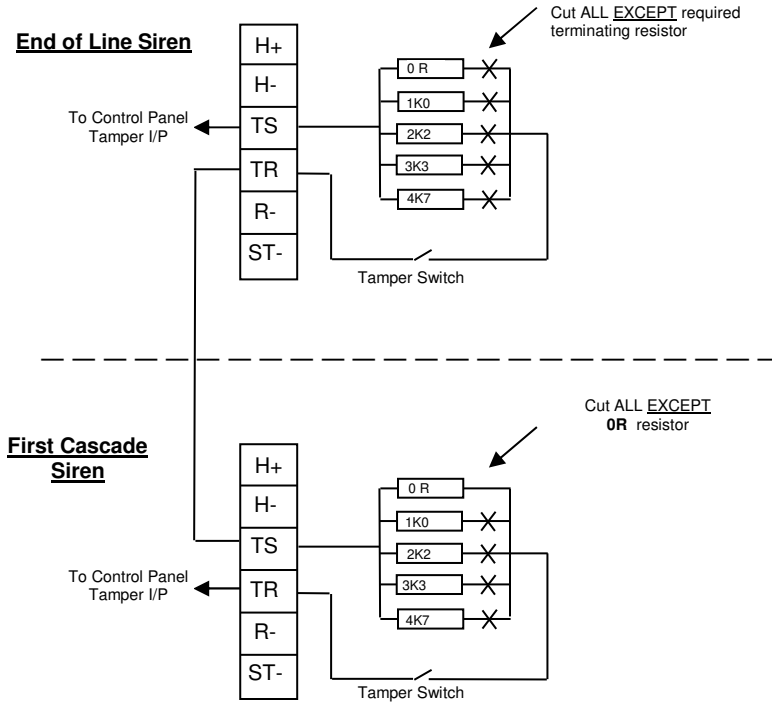


Figure 3—Multiple Cascade Siren Tamper Connection



TERMINATIONS

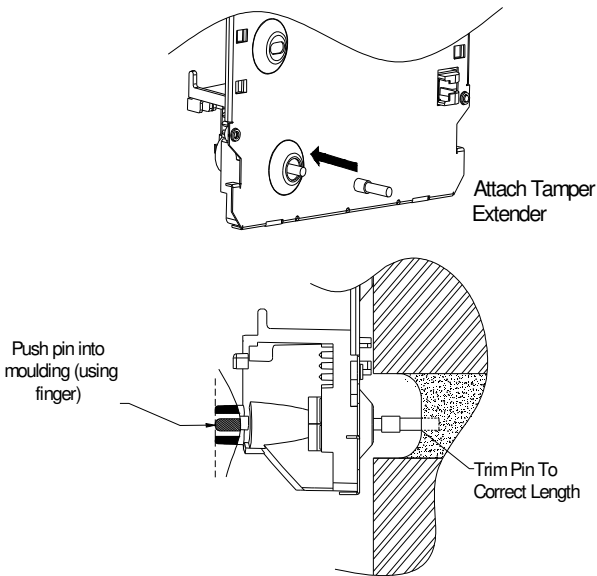
- H+** Permanent Positive Hold off Supply
- H-** Permanent Negative Hold off Supply
- TS** Tamper select. Connect to H- for single unit or last in line.
Connect to TR of next unit for multiple unit installation
- TR** Tamper return output connection to control panel
- R-** Negative Ring Trigger
- ST-** Negative Strobe Trigger

Flying Leads for Battery connection—Ensure correct polarity. Red = +Ve
Black = - Ve

REAR TAMPER ADJUSTMENT

1. Hold backplate assembly to wall
2. Push cover tamper pin in until level with bottom of chamfer
3. Lift backplate until tamper 'clicks'. Rear tamper must activate with 2-3mm of travel
4. Attach tamper extender to rear tamper pin if required
5. Trim rear tamper extender and repeat steps 2-5 until correct operation achieved

Figure 4—Rear Tamper Adjustment



BATTERY INSTALLATION

Figure 5—Fitting 2.1AH Battery

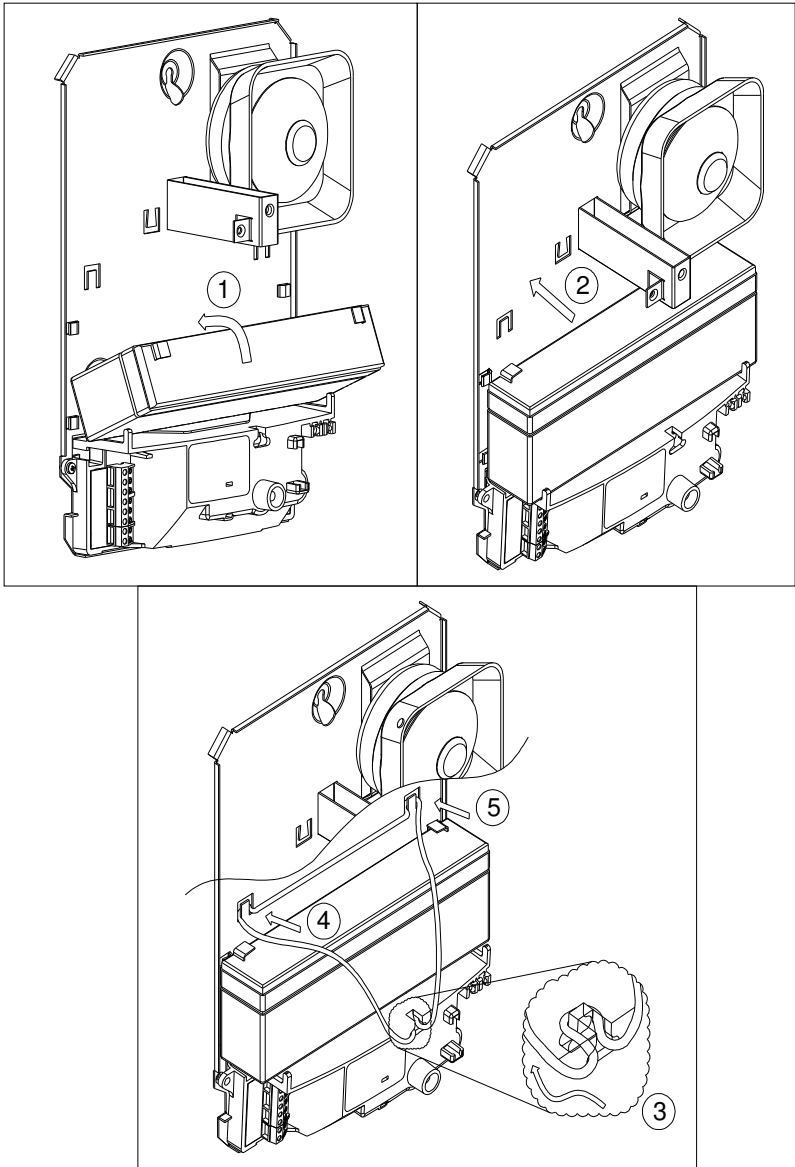
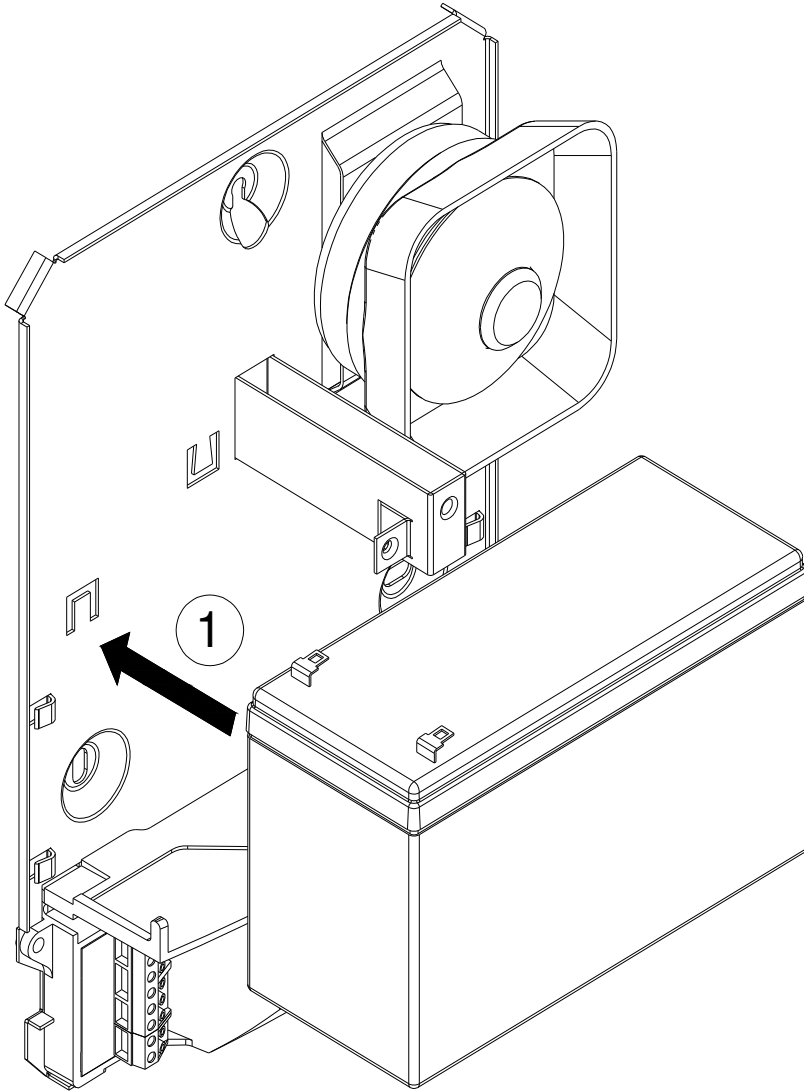


Figure 6 - Fitting 7AH Battery



MAINTENANCE

Figure 7 - Electronics Module Removal

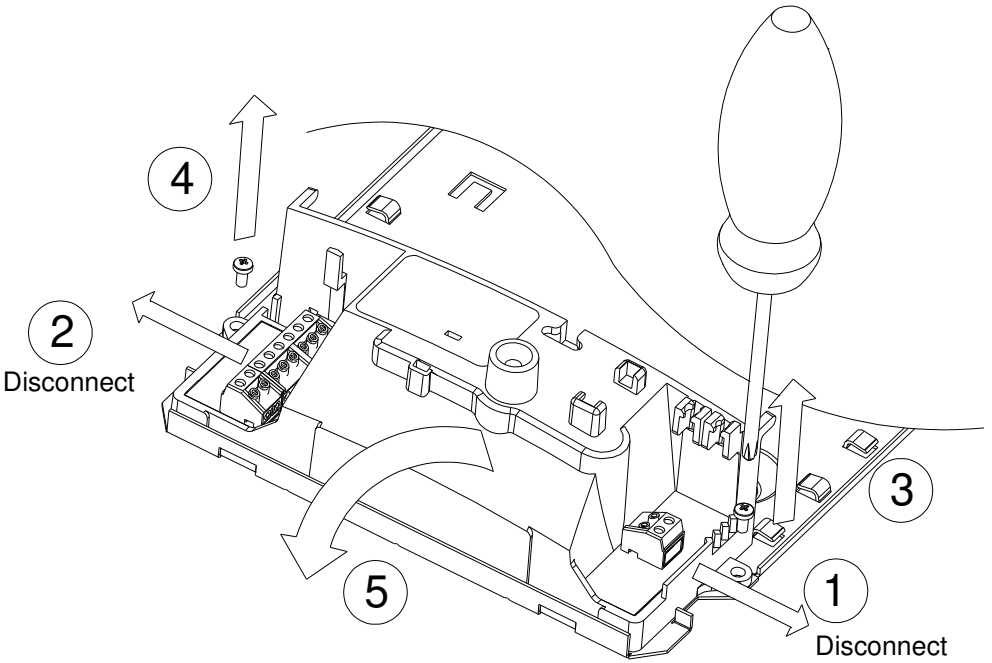
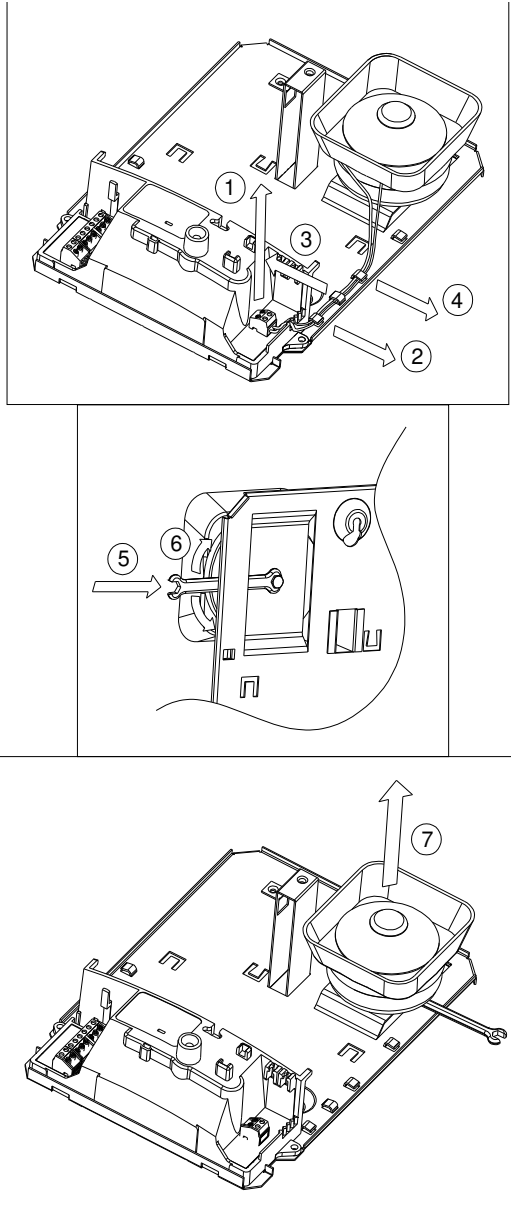


Figure 8— Loud Speaker Removal



TECHNICAL SPECIFICATIONParameter Typical Values**Environmental**

Sounder Volume	120 dB(A) peak
Cut off Timer	8 minutes max (5 second test)
Waterproofing	All electronics conformal coated
Operating Temp	-25 to + 55 °C
Storage Temp	-25 to + 70 °C

Electrical

Supply Voltage	9—15V d.c. (13.8 –14.2V for optimal battery charging)
Current	17 mA quiescent
Sounder	400 mA Sounder Max
Strobe	100 mA
Battery Type	Sealed Lead Acid
Battery Voltage	12.0V
Battery Capacity	2.1 or 7 Ah
Strobe Rating	1 Watt
Strobe Flash Rate	1 Hz reduces to 1/2 Hz after 15 mins. Stops after 24 hours

Physical

Material	Stainless Steel Backplate, cover and inner cover. 3mm Polycarbonate— lens and module cover
Tamper Detection	Cover and Rear
Kinetic Protection	IK08
Size	260 x 185 x 90
Weight	2.3Kg
Ingress Protection	IP35

COMPLIANCE

This product meets the essential requirements of the following EU Directives:

EMC: 2014/30/EU

RoHS: 2011/65/EU

WEEE: 2012/19/EU

Battery: 2013/56/EU

EN50131-4:2009 Security Grade 2
Environmental Class IV



This product is suitable for use in systems designed to comply with PD6662:2017 at:
Grade 2 and Environmental Class IV.

*The packaging supplied with this product may be recycled.
Please dispose of packaging accordingly.*