Installation instructions
Inferno Micro

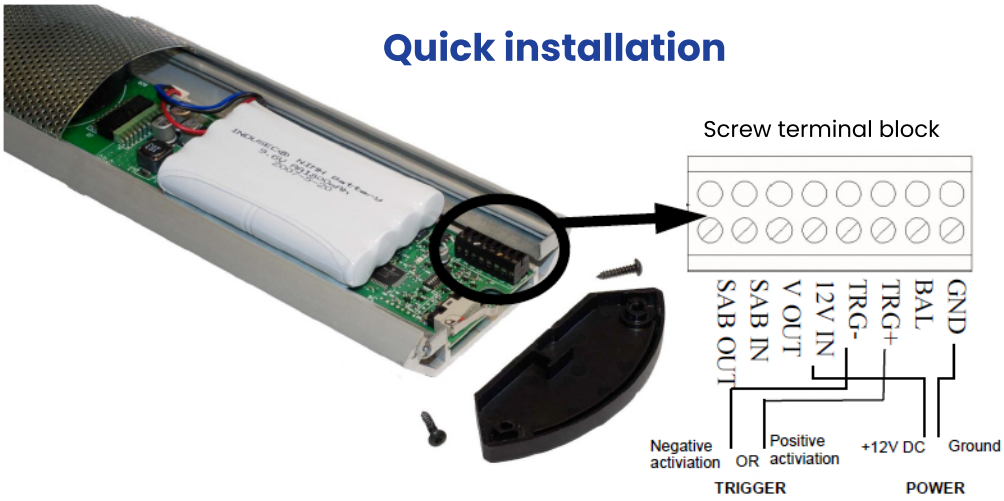
The Inferno Sound Barrier is intended for professional use only and should be handled and installed by authorized installers.

- ⚠ Do not connect the unit to other supplies than 12 (12–16) V DC.
- ⚠ It will not work properly before the unit has been charged for 6 hours.
- ⚠ The battery must be changed at least every third year.
- ⚠ While dealing with the PCB's inside the unit, precautions must be observed for handling electrostatic discharge sensitive devices.
- ⚠ It´s recommended to use earplugs when installing

Tools needed:

- Screwdriver
- Torx 15 wrench
- Screws and drill for mounting the unit

Quick installation



- ☑ Test is recommended
- ☑ Must be charged 6h before installation

Alarmtech makes no representation that this product will prevent personal injury or property loss or that the product will in all cases provide adequate warning or protection. Purchasers should understand that a properly installed and maintained alarm system may only reduce the risk of a burglary, robbery or fire without warning, but the alarm is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.

THEREFORE, ALARMTECH SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES IN CONNECTION WITH THE USE, INSTALLATION AND/OR MAINTENANCE OF THE PRODUCT, including, but not limited to the liability for any property damage, bodily injury, or other loss based on a claim that the product failed to give warning, or any cost or expense of providing substitute equipment or service during periods of malfunction, non use or maintenance.

In no event shall the liability of Alarmtech exceed the purchase price of the product.

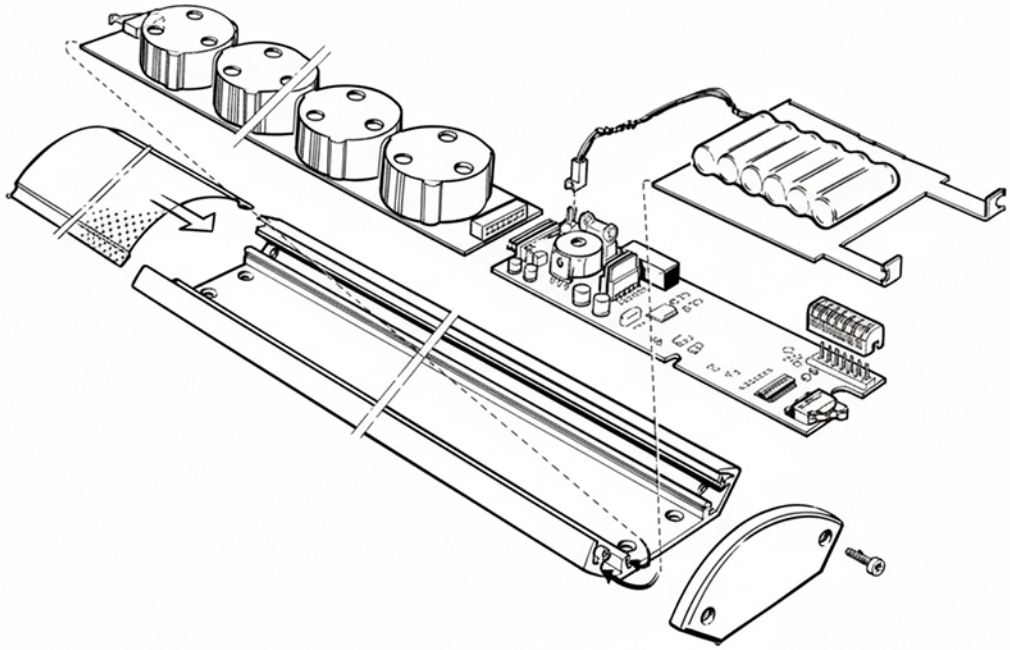
Alarmtech Sweden AB

P.O. Box 7079
192 07 Sollentuna

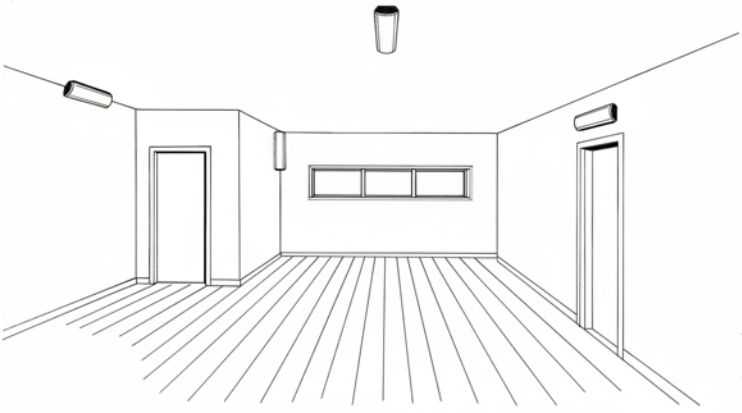
Tel: +46 8 798 18 60
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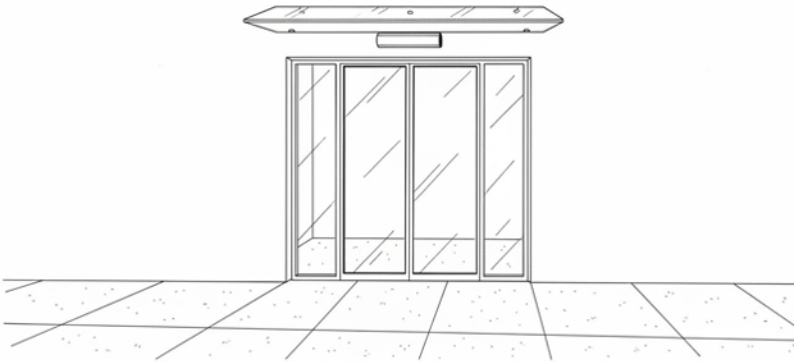
2) The unit



2) Mounting



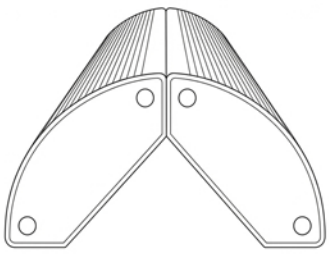
Micro and Intenso

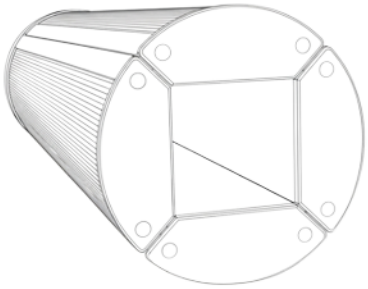


Outdoor

Option: Multiple units

Multiple units can be attached together forming either a semi circle or a full circle.The semi-circle unit can be mounted either on the wall or the ceiling while the Omni version works best hanging from the ceiling.





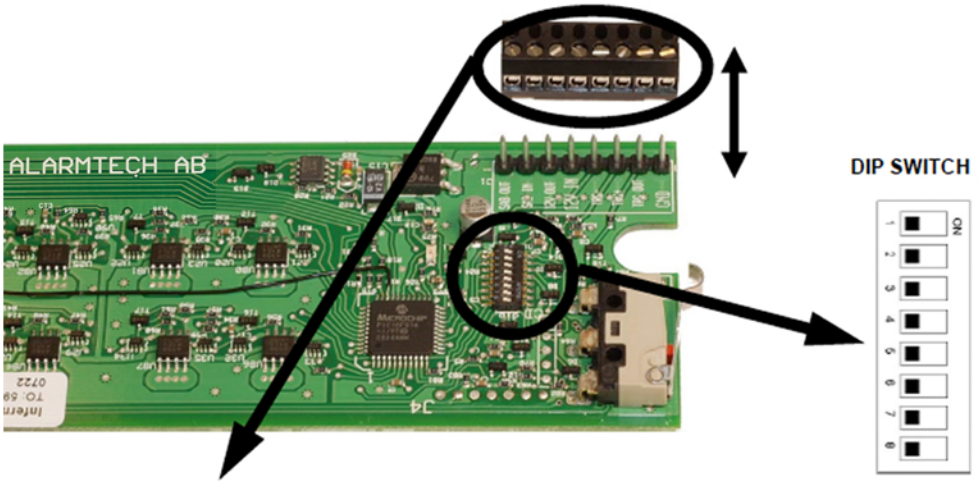
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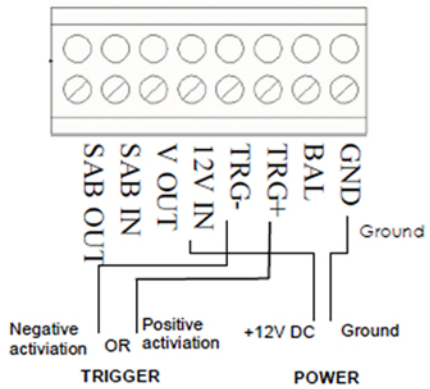
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3) Connection and setup



SCREW TERMINAL BLOCK



1. Charging Indication
   ON = A red light will lit when charging.
   OFF = No indication when charging. (default)
2. Reserve
3. Test Mode
   ON = Test mode, reduced sound level.
   OFF = Normal mode (default)
4. 3 Minutes Timeout
   ON = Timeout disabled.
   OFF = Max alarm signal length 3 min. Then a new trig is needed. (default)
5. Reserve
6. Fixed Alarm Signal Length
   ON = 45 s
   OFF = Alarm signal length follows trigger. (default)
7. Reserve
8. Visual Bad Battery Indication
   ON = No visual bad battery indication
   OFF = Red blinking when battery is bad. Change battery.

GND = Ground
BAL = Bad battery, open collector, output open at fault
TRG + = Positive activation
TRG - = Negative activation
12 V IN = Charge +12 V DC
V OUT = Reserve
SAB IN = Tamper out
SAB OUT = Tamper in

Option: Tamper

The tamper loop is an extra mechanical security protection. It is not needed for the function of the siren.

The tamper loop consists of a series connection that enters at the Connector at SAB IN goes through the microswitch at the end of the board, runs through the CPU board through the middle connector to the speaker board through the microswitch on that very end and back to the Connector at SAB OUT.

4) Assembling the unit

1. Before applying power to the unit, ensure that Dip switch #3 is in the ON position. (Test mode)
2. Assemble the two PCB's and the battery. **DO NOT** attach the battery cable to the connector.
3. Set Dip switch #1 to ON.
4. Attach the battery cable to the connector, power can now be applied.
5. A red LED on the CPU circuit board should light up. Battery is charging.
6. Dip switch #1 can be in either ON or OFF mode. Please note that if any Dip switch other than #3 is changed, the Intenso has to be restarted by removing both power and battery for 10s.
7. Set Dip switch #3 to OFF. (Normal mode)
8. Attach the grid and the two end caps.
9. The Inferno Intenso is assembled and ready for use.

5) Test

We recommend testing the unit either before mounting or during assembling.

Without a connected Tamper loop it is only necessary to connect the two PCB's, the battery and power.

Test procedure (The battery will need about 20 minutes to charge before testing.):

1. Set Dip switch #3 to ON position. (Test mode)
2. Activate either Trigger signal.
3. The unit should generate four short different-pitched sound signals indicating that the unit works.
4. Switch off the Trigger signal.
5. Set Dip switch #3 to OFF position. (Normal operation mode)
6. The test is complete.

6) Specifications V14171103

Coverage	Up to 75 cubic meters (30 square meters x 2.5)
Electrical interface	
Power Supply	12 – 16 V DC, < 150 mA
Activation Signals	Trig (-): 0 – 0.5 V, (10 mA) Trig (+): 9 – 18 V, (10 mA)
Cables	0.25 – 1.0 square mm, (AWG 22 – 18)
Battery	9.6 V Ni-MH, NI-MH batteries performance is improved if charged/discharged.
Capacity	1600 mAh, (sufficient for 30 minutes continuous alarm)
Charge time	The unit should be charged 6 hours before use.
Standby w/o battery charge	Up to 1 month
Life time	Up to 3 years, the latest it has to be replaced