

## SI500 Indoor Siren

Internal siren suitable for most applications, which require an approved, high output siren. Battery required 12V 2.1Ah NP2.1 or PS-1221.

- Acoustic level 116 (±2) dB nominal at 1 metre.
- Silent power-up phase
- Activation controlled by voltage removal and reapplication
- Activation limited to 15 or 30 minutes. (Switch selectable) & a 5-second test operation
- Battery protected against excessive discharge
- Tamper protection for opening and removal
- Tamper contacts are N/C, voltage free
- Automatic repairing fuse for battery protection
- The SI500 siren is designed and approved to be compatible with systems that meet EN50131-4: 2009 standard. Grade: 2. Environmental class: II.

### Characteristics

Siren output	- 113 (±2) dB(A) -
1Siren consumption	- 1.3A max, siren active - 5mA Quiescent Current (excluding battery charges)
Current from the power plant	- Max 100mA (including battery charging)
Maximum operating time.	- 15 or 30 minutes (5 seconds in testing)
Operating Voltage	- 9-15V dc
Battery charging voltage	- 13.8 - 15 V dc, limit to 100mA (14.3V nominal)
Dimensions	-192 x 183 x 55 mm
Type of cable	- 3 flexible pairs (0.22mm <sup>2</sup> )
ALIM	- 14.3v dc
0V ALIM	- 0v power supply
BL	- >8.1v dc to hold off the alarm & <3.2v to activate the alarm
AP- Tamper contact	- Normally closed, voltage free, opens for lid opening and removal
Battery +	- Red connection lead
Battery -	- Black connection lead

# SI500 Indoor Siren

## Installation and commissioning

1. Open the hood.
2. Pass the cable from the control panel through the rear opening of the siren provided for this purpose.
3. Attach the back of the siren to the wall with screws passed through the four indented holes. Attach a screw to the wall at the correct location to activate the removal tamper. The screw closing the hood acts on self-protection at the opening.
4. Connect the ALIM and 0V ALIM terminals to the 14.3V and 0V of the siren power provided by the plant, respectively.
5. Connect the terminals to the sirens AP to a tamper circuit.
6. **IMPORTANT** - Ensure the battery stands in the bottom of the enclosure with the terminals facing upwards.
7. Connect the battery while respecting the polarities. Battery PS-1221, 12V, 2.1Ah
8. Connect the terminal 'BL' at the siren command, >8.1v blocks the siren operation.
9. NB When powering up, the siren is not active until the 'BL' input has been positively polarized.

## Tests

1. Set up the "test 5 seconds" option. Activate the siren output of the control panel (BL at 0v or floating). Make sure the siren activate.
2. Open the hood. Check that the plant detects the tamper.
3. Remove the "test 5 seconds." Set the timer to 15 or 30 minutes.
4. Replace the hood and tighten the closing screw. Check that self-protection is non-active (closed contact).

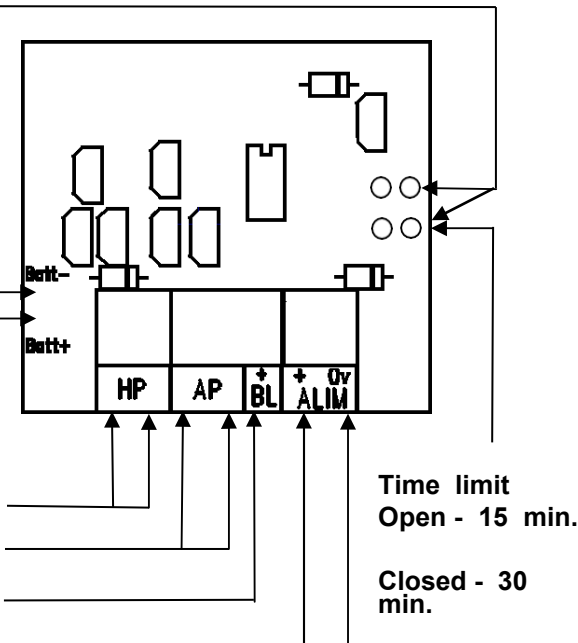
**Important: For internal use only**

**IMPORTANT:** The SI500 must be configured for a 0min limit.

**For the 5 second test, open both links**

**Battery Observe polarity**

**Tamper protection  
Speaker  
Blocking  
Power**



## Characteristics

Total battery discharge protection - to avoid permanent damage. The siren automatically stops working when the voltage drops below 9.5 Volts (Priority over the maximum scheduled running time).

Rearmament of the alarm.

After activation, the siren can only be reactivated if the BL terminal is applied with >8.1v and the voltage is removed. A fully charged NP2.1 or PS-1221 battery allows 3 times 30-minute activation at normal acoustic power.

**SPC Connection** – the siren control input BL must be supplied through a N/C contact on the SPC, which removes the +12v in alarm condition.

## Important

**The battery used must be an NP2.1 or PS-1221  
Comply with regulations to recycle used batteries**

## Technical features

Acoustic Level	116 (±2) dBA at 1m
Siren Running Voltage	9 - 15 V Dc
Tension ALIM	14.3V Dc
Maximum allowable Residual Ripple	350mV
Max consumption on 'ALIM'	100mA (including battery charge)
Blocking voltage -BL	Siren Activation <3.2 V, Siren reset >8.1v
Consumption order input BL	250A µA
	12Volt 2.1 Ah lead Ref. NP2.1 YUASA
	12Volt 2.1 Ah lead Ref. PS-1221 POWERSONIC
Operating Temperature	-10 to 55 degrees Celsius
Battery Discharge Protection	9.0Vmin - 10.0V typical max give a range
Battery Charging Time	24 hours after 30 minutes of activation
Battery Protection	Automatic Repairing Fuse
Weight	1.6 Kg
Protection	IP31 IK08

Recyclable Packaging

AFNOR Certification

CNPP Cert..

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[www.marque-nf.com](http://www.marque-nf.com)

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Certification repository:NF324-H58

Certificate No:3130000410