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> Venitem Doge LS Self-Powered Outdoor Siren Instruction Manual

VENITEM Doge LS

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Model: Doge LS | Brand: VENITEM

1. PRODUCT OVERVIEW

The Venitem Doge LS is a self-powered outdoor siren designed for advanced security systems. It features an IP44 rating for outdoor use, a modern design, and a patented anti-foam and anti-shock system for enhanced durability and reliability.



Figure 1: Front view of the Venitem Doge LS self-powered outdoor siren, showcasing its steel-colored casing and integrated LED flasher.

2. KEY FEATURES

- **Self-Powered Operation:** Equipped with a compartment for a 12V rechargeable battery (1.2 Ah or 2.1 Ah, not included) for continuous operation even during power outages.
- **Robust Construction:** IP44 rated for outdoor use, featuring a patented anti-foam and anti-shock system. The electronic circuit is protected against polarity inversions and tropicalized in submerged resin, built with SMD technology.
- **Tamper Protection:** Incorporates a double magnetic reed tamper for anti-opening and anti-tear protection.
- **High Sound Output:** Delivers a sound power of 105 dB(A) at 3 meters.
- **Programmable LED Flasher:** Features a programmable LED flasher with alarm memory, housed in a smoked dome.
- **Flexible Control:** Supports 2 or 3-wire central control with programmable positive or negative missing command.
- **Customizable Alerts:** Offers 4 programmable sound types (including electronic bell) and 4 programmable timers (3, 5, 10 minutes, or infinite duration). Up to 4 daily or infinite alarm cycles can

be set.

- **Diagnostic Features:** Automatic test of speaker and battery efficiency, with an output for siren failures and an anomaly recognition LED.
- **Versatile Mounting:** Can be applied in horizontal or vertical positions.

3. SETUP AND INSTALLATION

Important: Installation should be performed by qualified personnel in accordance with local electrical codes and safety regulations. Disconnect all power before installation.

1. **Mounting Location:** Select a suitable outdoor location for wall mounting. Ensure the siren is securely fastened and positioned for optimal sound propagation and visibility of the flasher. The siren can be mounted horizontally or vertically.
2. **Battery Installation:** Open the siren casing. Install a 12V 1.2 Ah or 12V 2.1 Ah rechargeable battery (not supplied) into the designated compartment. Ensure correct polarity. The siren performs an automatic battery test.
3. **Wiring:** Connect the siren to the central alarm unit using either a 2-wire or 3-wire configuration as required by your system. Refer to your alarm panel's manual for specific wiring diagrams.
 - **Power Supply:** Connect to a 12V DC power source (13.8V DC recommended).
 - **Control Input:** Connect the alarm trigger wires. The command can be programmed as positive or negative missing.
 - **Fault Output:** If your system supports it, connect the fault signaling output for battery or speaker failures.
4. **Tamper Switch:** Ensure the double magnetic reed tamper switches are correctly engaged upon closing the siren casing to activate anti-opening and anti-tear protection.
5. **Initial Power-Up:** Once all connections are secure, apply power to the alarm system. The siren will perform self-diagnostics. Observe the anomaly recognition LED for any fault indications.

4. OPERATING INSTRUCTIONS

The Venitem Doge LS siren operates in conjunction with your central alarm system. Its primary function is to provide audible and visual alerts during an alarm event.

- **Alarm Activation:** When the central alarm system triggers an alarm, the siren will activate, emitting the programmed sound and flashing its LED light.
- **Sound and Timer Programming:** The siren offers 4 programmable sound types and 4 programmable timers (3, 5, 10 minutes, or infinite duration). These settings are typically configured during installation via internal jumpers or software, depending on the model and system. Consult the detailed technical manual for specific programming procedures.
- **Alarm Cycles:** The siren supports up to 4 daily or infinite alarm cycles, allowing for customized operation based on security needs.
- **ON-OFF Signaling:** The optical ON-OFF signaling can be set for instant or permanent indication of the system's status.
- **Alarm Memory:** The LED flasher retains alarm memory, indicating that an alarm event occurred even after the siren has ceased sounding. This can be reset via the central alarm panel.

5. MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your Venitem Doge LS siren.

- **Visual Inspection:** Periodically inspect the siren's casing for any signs of damage, corrosion, or obstruction. Ensure the mounting is secure.
- **Cleaning:** Clean the exterior of the siren with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Check:** The siren performs an automatic battery test. If your central alarm system indicates a battery fault, or if the anomaly recognition LED on the siren illuminates, the battery may need replacement. Rechargeable batteries typically have a lifespan of 3-5 years.
- **Functionality Test:** Regularly test the siren's functionality by triggering an alarm from your central alarm system. Verify that the siren sounds and the LED flasher operates correctly.
- **Tamper Switches:** Ensure the tamper switches are functioning by attempting to open the siren casing while the system is armed (if applicable and safe to do so). The system should register a tamper alarm.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Venitem Doge LS siren.

Problem	Possible Cause	Solution
Siren does not sound during alarm.	<ul style="list-style-type: none"> • No power to siren. • Battery discharged or faulty. • Wiring issue to central panel. • Siren fault. 	<ul style="list-style-type: none"> • Check power supply connections. • Test or replace the 12V rechargeable battery. • Verify all wiring connections between siren and alarm panel. • Check anomaly recognition LED. If persistent, contact support.
LED flasher not working.	<ul style="list-style-type: none"> • LED fault. • Wiring issue. • Programming error. 	<ul style="list-style-type: none"> • Check wiring. • Verify flasher programming settings. • If LED is faulty, professional service may be required.
Siren constantly sounding or false alarms.	<ul style="list-style-type: none"> • Tamper switch triggered. • Faulty wiring or central panel. • Environmental factors (e.g., strong vibrations triggering anti-shock). 	<ul style="list-style-type: none"> • Ensure siren casing is securely closed and tamper switches are not falsely triggered. • Inspect wiring for shorts or damage. Consult central panel manual. • Relocate siren if environmental factors are the cause.
Anomaly recognition LED is lit.	<ul style="list-style-type: none"> • Battery fault. • Speaker fault. • Internal circuit fault. 	<ul style="list-style-type: none"> • Check and replace battery if necessary. • Perform a system test to check speaker. • If faults persist, professional service is recommended.

7. TECHNICAL SPECIFICATIONS

Model	Doge LS
Brand	VENITEM
Power Supply	13.8 V DC (Operating voltage 12V DC)
Quiescent Current Absorption	15 mA
Alarm Current Absorption	1.6 A (with battery 500 mA)
Sound Frequency	1636 Hz
Sound Power	105 dB(A) at 3m
Control Method	Tactile (for programming, typically) / 2 or 3-wire central control
Mounting Type	Wall Mount (horizontal or vertical)
Sensor Technology	Contact Sensor (for tamper)
Battery Compartment	For 12V 1.2 Ah or 12V 2.1 Ah rechargeable battery (battery not included)
Operating Temperature	-25 °C to +55 °C
Dimensions (L x H x D)	236 x 312 x 109 mm (approx. 9.3 x 12.3 x 4.3 inches)
Weight	2300 g (2.3 kg / 5.07 lbs)
IP Rating	IP44
Compliance	EN50131:4
Available Colors	Steel, Ivory, Red, Bronze, Sky Blue, Copper, Gold

8. WARRANTY AND SUPPORT

Information regarding the specific warranty period for the Venitem Doge LS siren is not available in the provided product details. Please refer to the documentation included with your purchase or contact your vendor for warranty terms and conditions.

For technical support or service inquiries, please contact your authorized Venitem dealer or the point of purchase. Ensure you have your product model (Doge LS) and any relevant purchase information ready.

Manufacturer: Venitem