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› Sensaphone Weatherproof Temperature Sensor, 2.8K (FGD-0101) User Manual

Sensaphone FGD-0101

Sensaphone Weatherproof Temperature Sensor (FGD-0101) User Manual

Reliable Temperature Monitoring for Indoor and Outdoor Environments

1. INTRODUCTION

The Sensaphone Weatherproof Temperature Sensor (Model FGD-0101) is designed for accurate and reliable temperature monitoring in various indoor and outdoor applications when connected to a compatible Sensaphone monitoring system. This sensor features a durable stainless steel housing with a moisture-resistant seal, ensuring longevity and performance in challenging environments. It comes equipped with a convenient mounting clip and 12 feet of wire for flexible installation.

1.1 Package Contents

- Sensaphone Weatherproof Temperature Sensor (FGD-0101)
- 12 Ft. (3.66 m) Wire
- Mounting Hardware
- Installation Instructions (this manual)



Figure 1: The Sensaphone FGD-0101 Weatherproof Temperature Sensor, showing the stainless steel probe and the coiled 12-foot white

2. SETUP

2.1 Mounting the Sensor

The sensor can be mounted using the included mounting clip and hardware. Choose a location that accurately represents the temperature you wish to monitor, away from direct sunlight, heat sources, or drafts that could affect readings.

1. Select a suitable mounting surface.
2. Secure the mounting clip using the provided screws or other appropriate fasteners.
3. Snap the sensor probe into the mounting clip. Ensure it is held firmly in place.

2.2 Wiring Instructions

Connect the sensor's 12-foot wire to the appropriate input terminals on your Sensaphone monitoring unit. Refer to your specific Sensaphone model's user manual for detailed wiring diagrams and terminal assignments.

- Ensure the Sensaphone unit is powered off before making any wiring connections.
- Connect the two wires from the FGD-0101 sensor to an available analog input terminal pair on your Sensaphone unit. The sensor is non-polarized, so the wire order does not matter.
- If extending the wire length, use 22 AWG (American Wire Gauge) or larger twisted-pair wire. For runs over 100 feet, consult the Sensaphone unit's manual for maximum allowable wire lengths and gauge requirements.
- Secure all connections to prevent accidental disconnections.

3. OPERATING

Once properly connected to a compatible Sensaphone monitoring system, the FGD-0101 sensor will continuously measure the ambient temperature. The Sensaphone unit will then interpret this data and provide readings, alerts, or logging capabilities as configured.

- **Temperature Readings:** The Sensaphone unit will display or report the temperature detected by the FGD-0101 sensor.
- **Alarm Thresholds:** Configure high and low temperature alarm thresholds within your Sensaphone unit's settings. If the temperature falls outside these set limits, the Sensaphone will trigger an alarm according to its programming (e.g., send an alert, activate a relay).
- **Data Logging:** Many Sensaphone models offer data logging capabilities, allowing you to track temperature trends over time.

Refer to your specific Sensaphone monitoring system's user manual for instructions on configuring temperature alarms, viewing readings, and managing data.

4. MAINTENANCE

The Sensaphone Weatherproof Temperature Sensor is designed for minimal maintenance. However, periodic inspection can help ensure its continued accuracy and longevity.

- **Cleaning:** If the sensor probe becomes dirty, gently wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the sensor's wiring for any signs of damage, fraying, or loose connections. Ensure the sensor is securely mounted.
- **Environmental Factors:** While weatherproof, extreme environmental conditions (e.g., prolonged submersion, direct

impact) should be avoided to prevent damage.

5. TROUBLESHOOTING

If you experience issues with your Sensaphone Weatherproof Temperature Sensor, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Inaccurate temperature readings	Sensor exposed to direct sunlight, heat sources, or drafts; faulty wiring; sensor malfunction.	Relocate sensor to a more representative area. Check wiring connections. Test with another sensor if available.
No temperature reading / Sensor not detected	Loose or incorrect wiring; incompatible Sensaphone model; sensor damage.	Verify wiring connections and ensure they are secure. Confirm compatibility with your Sensaphone unit. Inspect sensor for visible damage.
Intermittent readings	Loose connections; electrical interference; damaged wire.	Check and secure all wiring connections. Ensure wiring is routed away from high-voltage cables. Inspect wire for damage.

If problems persist after attempting these steps, contact Sensaphone technical support or your authorized dealer for further assistance.

6. SPECIFICATIONS

Feature	Detail
Model Number	FGD-0101
Temperature Range (Sensaphone 400, 800)	-20° to 150°F (-28° to 65°C)
Temperature Range (Sensaphone 1400, 1800, 2800, WEB600)	-20° to 115°F (-28° to 46°C)
Temperature Range (Sensaphone 2000)	-20° to 123°F (-28° to 51°C)
Temperature Range (Sensaphone Express II)	-20° to 176°F (-28° to 80°C)
Temperature Range (Sensaphone CELL682)	-20° to 124°F (-28° to 55°C)
Accuracy	±1°F
Compatibility	Sensaphone 400, 800, 1400, 1800, 2800, 2000, WEB600, CELL682, Express II
Material	Stainless Steel
Wire Length	12 feet (3.66 meters)
Item Weight	1.69 ounces (47.9 grams)
Product Dimensions	15 x 11 x 4 inches (packaging dimensions)
Manufacturer	Phonetics, Inc.

7. WARRANTY AND SUPPORT

For information regarding the warranty of your Sensaphone Weatherproof Temperature Sensor (FGD-0101) and for technical support, please refer to the official Sensaphone website or contact Sensaphone customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Sensaphone Contact Information:

Please visit www.sensaphone.com for the latest support resources, FAQs, and contact details.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question