SENSAPHONE
Monitoring Solution

Web Based Monitoring with wireless sensors

WSG30

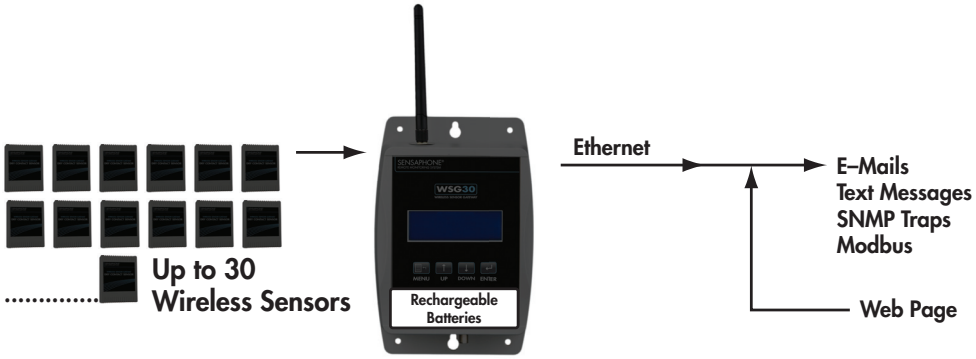
Description

The WSG-30 is a unique wireless sensor monitoring system that can be used in a variety of applications. As a standalone system, it can monitor a variety of conditions from the wireless sensors and directly notify the appropriate personnel by sending e–mails and text messages. The convenience of having wireless sensors allows you to move your sensors around while tracking down heat problems within a data center. The WSG-30 is perfect for monitoring refrigerators and freezers for food and medical applications where running wires may be inconvenient or costly.

The WSG-30 can also be used within an existing industrial automation system and communicate directly with existing HMI software using the Modbus protocol. Sensor and transducer values can be sent wirelessly to the WSG30 main unit and then directly into your automation software. In addition to supplying live wireless sensor information to your existing automation software, the WSG-30 can still independently send e-mail and text message alarm notifications at the same time.

Up to 30 wireless sensors can be monitored by the WSG-30 in addition to automatic power failure alarm detection and diagnostic alarms. All sensors are supervised with their battery level reported and monitored.

If any sensor has a low battery or drops offline, a diagnostic alarm is generated and users are contacted. A rechargeable battery backup is also built in.



Package Contents

- (1) Sensaphone WSG30
- (1) AC Power Adapter
- (1) 2.4 GHz antenna
- (1) CAT5 patch cable
- (1) Mounting hardware kit
- (1)Software cd w/ instruction manual

Description	Part Number
WSG30 Wireless Sensor Gateway	FGD-WSG30
WSG30 Wireless Sensor Gateway with International Power Supply	FGD-WSG30-INT

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WSG30 Specifications

Alarm notification methods:

- E-Mail, Text Message, SNMP Trap
- 8 Alarm escalation levels
- Comprehensive scheduling per input, user, and alarm destination

Destinations:

- 8 Programmable User Profiles
- 4 Programmable alarm destinations per profile
- Alarms can be assigned to specific User Profiles

Communication types:

- E-Mail – SMTP
- Text Messages
- Web page – Supported formats HTTP, PDA, WAP, and XML
- SNMP – MIB with Traps, GET, GETNEXT, and SET
- MODBUS®/TCP Slave Conformance Class 0 and 1

Sensors:

- Up to 30 Wireless Sensors
- Dry Contact - Normally Open /Normally Closed
- Temperature - 2.8K Thermistor
- Water detection
- Humidity
- Power Failure
- 4-20mA Current Loop
- 12-Bit Resolution

Certification Standards:

- FCC Part 15 – Class B Compliant

Data logging

- 32,000 Samples (all samples include data, date, and time)
- 1 second to 100 hours sampling rate, variable rate per sensor
- User programmable sensor selection
- Battery
- Power Supply

Communication Ports:

- Ethernet 10/100Base–T

Local indicators:

- 80 Character lighted LCD
- Ethernet link and Activity LEDs

Power requirements:

- External transformer 120VAC 60Hz input/9VDC Output
- Rechargeable Battery Backup (included)

Wireless Technology:

- 2.4GHz/ISM

Operating conditions:

- 0-50°C (32–122°F)
- 0-90% RH, non–condensing

Physical properties:

- 7.6” x 5.1” x 2.0” (19.3cm x 13cm x 5cm)
- 2.5 lbs (1.1kg)