

SENSAPHONE® STATIONSitter

Integrated Pump Controller and Alarm Dialer

The StationSitter performs duplex pump control with either level transducers or float switches as well as providing monitoring and alarming of all equipment and environmental conditions within the facility.



SENSAPHONE®

STATIONSitter Features

INPUTS

- Eight universal inputs with 4-20mA support. All eight inputs can be configured as Normally Open, Normally Closed, Temperature, or 4-20mA.
- Easy-to-install with fully automatic input configuration. NO INPUT JUMPERS!
- Scaleable range on 4-20mA analog inputs.
- Programmable recognition time for all inputs.
- Internal sensor calibration for all inputs.

OUTPUTS

- One output channel for manual or automatic control from alarms.
- Two additional outputs for duplex pump control.

PUMP CONTROL

- Built-in Pump Controller runs independently from alarm monitoring.
- Control logic for Fill or Drain applications.
- Pump control works with analog level sensor, or from float switches.

NOTIFICATION

- Eight phone numbers for alarm notification.
- Custom voice messages for the ID and ALL monitored zones.
- Text based alarm messages to alphanumeric pagers, and cell phones.
- Dial out test function to simulate and verify alarm notification.
- Individual user acknowledgement codes for tracking alarm activity.

Applications

Water Towers



Lift Stations



Pump Rooms



Refrigeration Systems



STATIONSitter Additional Features

POWER SUPPLY

- Operates from 12 volts AC or 12 volts DC.
- Optional power supplies available for plug-in, or hard wired power.
- Built-in battery charging and monitoring circuits for optional external battery.
- Built-in 24V DC power supply for 4-20mA transducer power.

LOCAL ACCESS

- Keypad and speaker for local programming.
- LED indicators for all inputs and outputs, plus Battery status, Power status, Phone status, and Pump Control Status.
- Password protected keypad to restrict local programming access.

REMOTE ACCESS

- Automatic Web status option, free for first year.
- Detailed alarm history with optional hourly snapshot history of all zones.

OTHER

- High sound alarm, plus remote listen in.
- Packaged in a panel mount enclosure with built-in mounting tabs.
- Optional Nema 4x enclosure.
- Superior lightning protection.
- Three year warranty.



In addition to easy on panel controls, the STATIONSitter is equipped with eight universal inputs and three outputs.

Powerful Pump

Control and

Alarming Dialout

combined in a

single reliable

control unit.

STATIONSitter

SENSAPHONE®

901 Tryens Road
Aston, PA 19014

Phone: 610.558.2700

Fax: 610.558.0222

www.sensaphone.com

STATIONSitter Specifications

Environmental Inputs

- Number of Zones: 8
- Zone Connector: terminal block
- Zone Types: N.O./N.C. contact, 2.8K and 10K thermistor (-20 to 150 deg F), and 4-20mA (10,000 to -10,000)
- Zone characteristics: 10K to 5V (temperature/contact) or 237 Ohms to ground (4-20Ma)

- A/D Converter Resolution: 10 bits ± 2 LSB

- Zone Protection: Gas discharge tubes, PTC fuses, and fast acting diode clamps

Microphone

- Internal: for recording custom voice messages
- External (optional): For listening-in to on-site sounds and high sound level alarms
 - Mic Connector: terminal block
 - Mic Type: Electret Condenser
 - Mic Impedance: 2.2K

Phone Interface

- Terminals for connection to a two-wire analog telephone line

- Line Seizure

LED Indicators

- (8) Zone Alarms, Sound, Power, Battery OK, Phone in Use, Output On, and System On

Pump Control Inputs

- Level Sensor: Optically isolated 4–20mA input for connecting to a well-level transducer.
- Float Inputs (3): Optically isolated dry contact inputs for connecting to float switches.

Relay Output

- 2A 120VAC/2A 24VDC - Programmable for manual switching or automatic switching on alarm.

Pump Outputs (2)

- 2A 120VAC/2A 24VDC—Programmable for duplex alternating pump control in Fill or Drain mode.

Power Supply

- Power Supply: 120VAC/12VAC 60Hz 10W wall plug-in transformer
- Power Consumption: 5 Watts
- Power Protection: Metal Oxide Varistor
- Battery Backup: Optional
- 24V Output: 24VDC 40mA max.

Environmental

- Operating Temperature: 32-122 deg F (0-50 deg C)
- Operating Humidity: 0-90% RH non-condensing
- Storage Temperature: 32-140 deg F

Physical

- Dimensions: 10.5"h x 8.3"w x 1.8"d
- Weight: 3.5 lbs.
- Enclosure: Aluminum housing with integral mounting flanges for wall or panel installation.