

Sensaphone[®] Express by **Phonetics, Inc.**

is an advanced environmental monitoring system combined with digital speech recording technology for alarm message clarity. *Express* will warn you quickly and automatically with your own voice message when any of the monitored conditions change. *Express* is a comprehensive alarm system that is easy to use and effective to prevent disaster in your remote and unattended facilities.

SPEECH TECHNOLOGY

With *Express*, Phonetics introduces digital speech recording to its family of industrial/environmental monitors. This unique feature of *Express* allows you to record your own voice for the dial-out alarm messages. This means that when *Express* calls you during an alarm, you will receive your personalized voice message telling you exactly what the alarm condition is. Now, you can hear: "The computer room is flooding! Water level has exceeded one inch."

You can record a separate message for each of the four inputs and an ID message. You can record the voice message locally with *Express's* built-in microphone, or remotely by telephone. The voice messages are stored in non-volatile memory so there is no loss of information if a power failure occurs.

OUTPUT

The output is a SPDT Form C contact capable of switching up to 5 Amps. The output can be automatically controlled when an alarm occurs, or you can call *Express* with a Touch-Tone[™] phone and change the output manually.

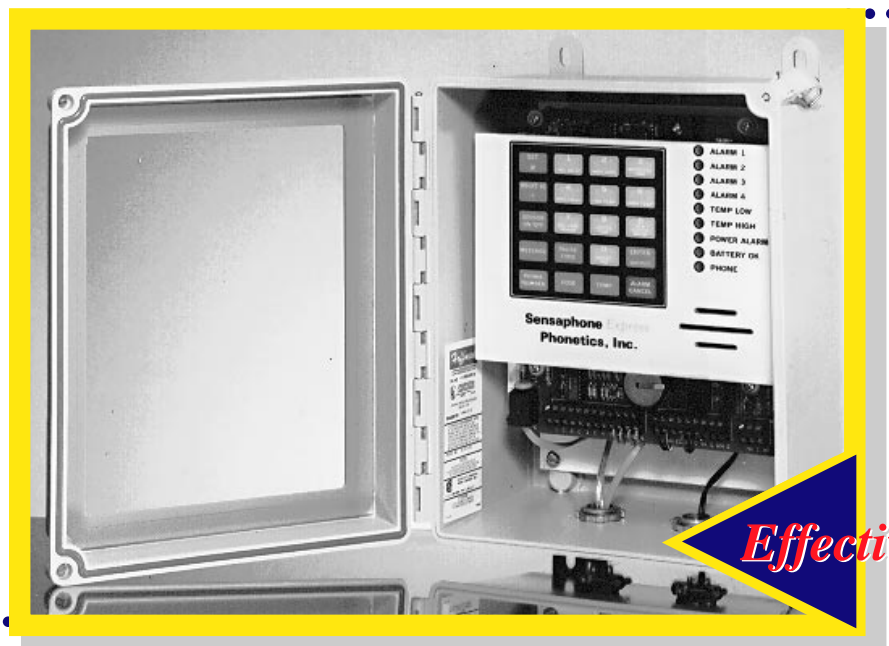
MONITORING CAPACITY

Express monitors up to four dry contacts. These can be configured as either normally open or normally closed. The alarm disabling feature allows you to enable or disable the dial-out for an input during an alarm. *Express* also monitors power failure with its built-in power out detection. Sensaphone[®] *Express* has a built-in temperature sensor with a 20 ft. cable to monitor in either degrees Fahrenheit or degrees Celsius. Front panel LED's indicate to on-site personnel the status of each input (ALARM/OK) for additional on-site warning. Other LED's indicate the power alarm status, battery condition, and phone status. *Express's* built-in microphone allows you to call and listen to noises at the remote site.

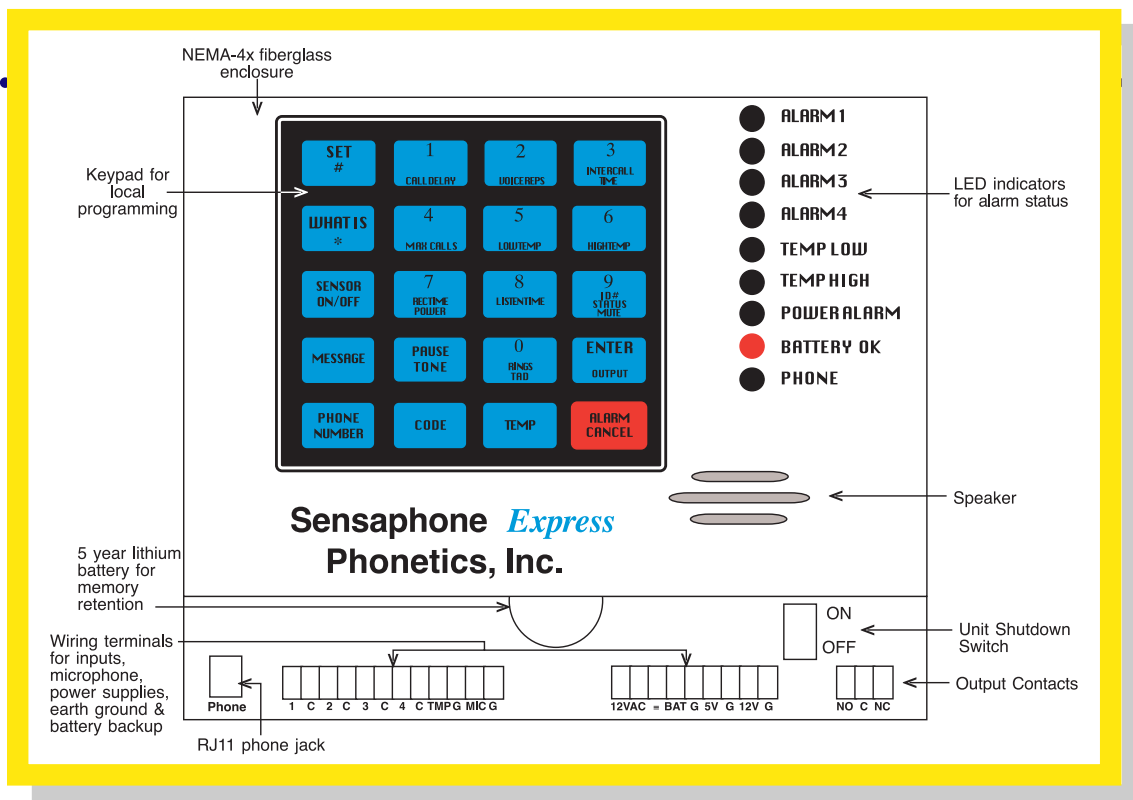
RELIABILITY

Express is equipped with a 12-hour Gel Cell rechargeable backup battery to ensure continued monitoring through power failures. Microcontroller operation is insured by two watchdog circuits. Dry contact inputs are optically isolated. Non-volatile memory for voice and programming storage also prevents loss.

Express is housed in a high-impact, dust-tight NEMA 4 fiberglass enclosure. Its latched, clear cover allows you to lock the unit for security while still providing easy visual access to the front panel.



Effective,



Easy access to programming, status information and wiring terminals.

FEATURES

- Digitally records user's voice for ID message and alarm messages for 4 dry contact inputs. Can be recorded locally or remotely
- Monitors 4 dry contact inputs (configured N.O./N.C.), temperature and AC power
- Stores up to 8 32-digit phone numbers
- Front panel LED's indicate input alarm status, power alarm status, low battery condition, and phone status
- 12-hour rechargeable internal battery backup with built-in charger
- Call progress detects busy signal or no answer
- Output relay for automatic or manual switching
- Housed in a dust-tight, high-impact, corrosion-resistant fiberglass NEMA 4 enclosure
- Can share a phone line with other devices
- Non-volatile memory for voice and programming storage
- Ability to call and listen to on-site sounds

PROGRAMMABILITY

Express's voice-guidance makes programming easy. Parameters such as the temperature limits, alarm recognition time, intercall delay, rings until answer, power-out to alarm time, password, message repetitions, phone numbers and voice recording can be easily programmed via the local keypad. Alarm messages can even be changed remotely. A user-defined 4-digit password prevents access to the information. Programming is stored in non-volatile memory to prevent loss of data during power failure or storage.

ALARM NOTIFICATION

When an alarm condition occurs, *Express* automatically dials up to 8 32-digit phone numbers. *Express* recites the user-recorded ID message followed by the recorded alarm message. *Express* monitors call progress to detect busy signals or no answers. These features ensure that the right people get the alarm message without wasted time.

Alarm dial-out stops when *Express* is acknowledged. Alarms can be acknowledged by either pressing Touch-Tones™ on your phone or by calling your *Express* unit back.

Even when there is no alarm situation, you can keep track of your monitored conditions. You can call *Express* from any telephone to obtain a comprehensive status report on all conditions monitored by the system. *Express* also has a built-in microphone so you can listen in to sounds at the site. You can also review and change alarm messages.

affordable monitoring, 24 hours a day.

APPLICATIONS



For monitoring of remote or unattended locations, Sensaphone® *Express* is ideal. Typical applications for *Express* include:

- Boilers
- Chemical Plants & Refineries
- Computer Rooms & Peripherals
- Electric Power Substations
- Frozen Food Storage
- Greenhouses
- Hatcheries, Fish & Poultry
- HVAC Systems & Equipment
- Pipelines & Compressor Stations
- Remote Pump Stations
- Security
- Switchgear & Telephone Huts
- Water & Waste Treatment Plants

SPECIFICATIONS



General:

Monitoring Capacity:	4 dry contact inputs (configured Normally Open or Normally Closed)
	Power failure
	Temperature: -60° to 175° F or -50° to 80° C
Speech Technology:	ADPCM 24 kb/s
Message Length:	8 seconds for alarms / 10.5 seconds for ID
Message Types:	4 alarm messages / 1 ID message
Telephone Numbers:	8 phone numbers, up to 32 digits
Dialing Format:	Touch-Tone™ or pulse
Phone Connector:	RJ11C
Output Type:	SPDT Form C 5A 125 VAC

Electrical:

Power Requirements:	120 VAC 10 Watts Max
Internal Battery Backup:	12 hour Gel Cell with built-in charger

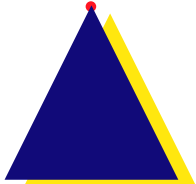
Environmental:

Operating Temperatures:	32° - 120° F
Operating Humidity:	0 - 90%, non-condensing
Storage Temperatures:	10° - 130° F

Physical:

Dimensions:	10.5" x 8.5" x 6.25"
Weight:	9 lbs. 4 oz.
Enclosure:	NEMA 4
Construction:	High-impact, fiberglass with hinged, latched clear cover

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Touch-Tone™ trademark of AT&T. Specifications subject to change without notice.



Phonetics, Inc.

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Sensaphone[®] Express

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expressed in your
voice*



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