



SENSERT™ is a remote process monitoring and alert system. A variety of sensors, such as temperature, humidity, vibration, and pressure, can be hardwired directly to the SENSERT Base Unit or wirelessly connected via the SENSERT Remote I/O. Sensor data is monitored in real-time and alerts are triggered based upon customizable thresholds.

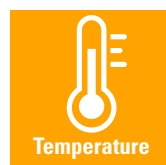
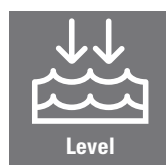
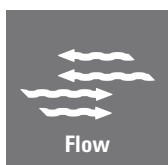
Features:

- Sensor Monitoring
- Real-Time Alerts
- Android/iOS
- Cloud Based Data
- Hardwire and Wireless Sensor Compatibility



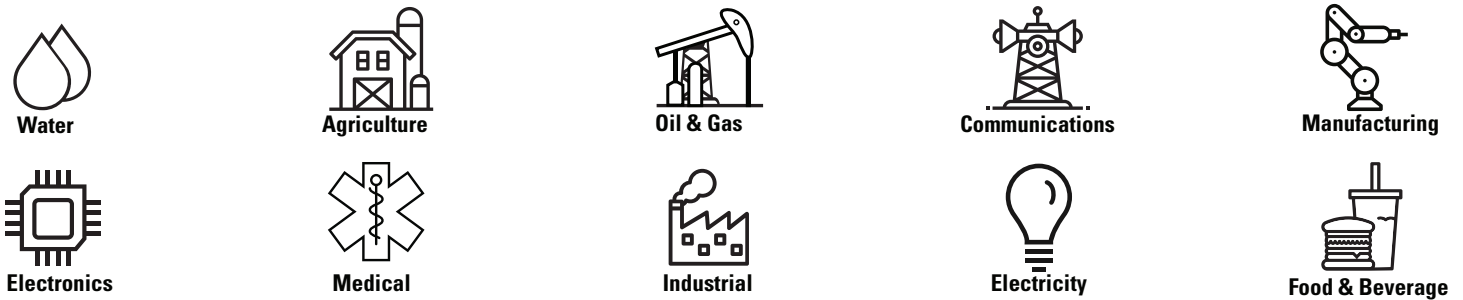
SENSERT Base Unit

Power Supply	9-30 VDC	
Analog Inputs	4 - 0-20 mA, 4-20 mA, 0-5 V, 0-10 V	
Digital Inputs	2 - Dry Contact or NPN Type	
Digital Output	1 - Relay (240 VAC, 5A)	
Internal Measurements	Temperature and Humidity	
Analog Channel Impedance	mA: 200 ohm V: 1M ohm	
	Type	Dry Contact or NPN Type
	Logic Levels	Logical Level "0": From 0 to 0.5 VDC Logical Level "1": From 3 to 30 VDC
	Maximum Voltage	12 VDC
	Input Impedance	500k ohm
Digital Inputs	Input Current @ 12 VDC (Typical)	2mA
	Maximum Frequency (Square Wave)	Dry Contact: 500 Hz NPN: 500 Hz
	Minimum Pulse Duration	Dry Contact: 2 ms NPN: 2 ms
Resolution	4096 (12 bit ADC)	
Report Interval	Configurable	
Data	As frequent as every 30 seconds	
Alerts	Configurable through the SENSERT Mobile App or Web Portal. Each channel can be configured for a high and low threshold value as well as custom alerts.	
Operation Temp	-4 to 131°F (-20 to 55°C)	
Accuracy	1% for all inputs, 2% for internal measurements	
Communication	RS485 [FUTURE DEVELOPMENT]	
Distance	The Remote I/O can communicate with the Base Unit from up to 100m away (line-of-sight). Exact communication distance will be affected by objects between the Base Unit and Remote I/O and any outside wireless interference.	



SENSERT Applications

SENSERT is engineered to monitor any type of sensor in critical processes and provide alerts to the user based upon customizable thresholds. SENSERT can be utilized in many applications, such as:



SENSERT Ecosystem



SENSERT Base Unit

- Power Supply: 5-30 VDC
- Analog Input: 4 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 2 [Dry Contact]
- Digital Output: 1 [Relay]
- WiFi (Pictured) or Cellular Cloud Communication



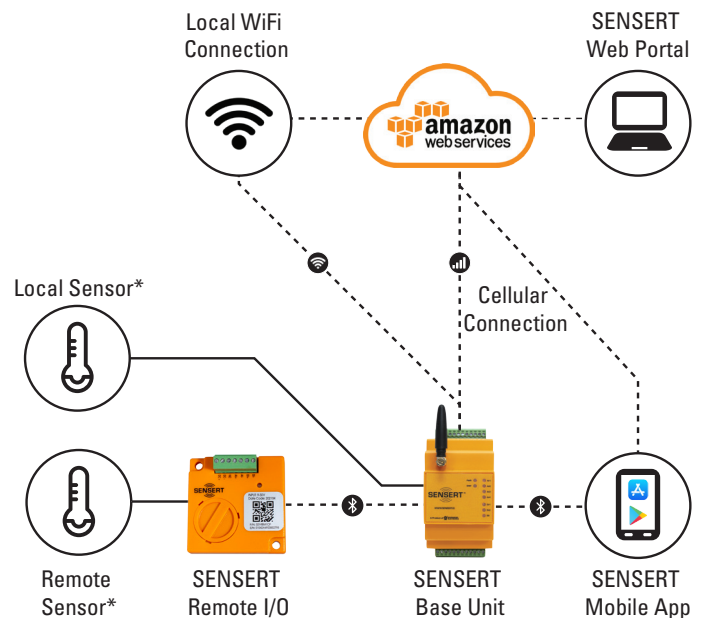
SENSERT Remote I/O

- Power Supply: 12-24 VDC or battery [CR2450]
- Analog Input: 1 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 1 [Dry Contact]
- Bluetooth LE or Mesh Communication



*Sensor

Any type of sensor with analog output of 0-20 mA, 4-20 mA, 0-5 V, 0-10 V



Ordering Information

Product	Product Number	Features
SENSERT WiFi Base Unit	SST-BWF1HH	<ul style="list-style-type: none"> • WiFi Cloud Communication and Wireless Device Communication • Hardwired Power • Hybrid DIN Rail and Panel Mount
SENSERT Cellular Base Unit	SST-BCA1HH	<ul style="list-style-type: none"> • Cellular Cloud Communication and Wireless Device Communication • Hardwired Power • Hybrid DIN Rail and Panel Mount
SENSERT Remote I/O Standard	SST-RBM1CP	<ul style="list-style-type: none"> • Bluetooth LE Cloud Communication and Wireless Device Communication • Combination Battery and Hardwired Power • Panel Mount
SENSERT Remote I/O Repeater	SST-RBM1HP	<ul style="list-style-type: none"> • Bluetooth Mesh Cloud Communication and Wireless Device Communication • Hardwired Power • Panel Mount