3Sense Pro-E
Intelligent platform for remote and field monitoring

Description

Intelligent and easy configurable monitoring APP and WEB application, plus local monitoring devices for humidity, temperature and door sensors.

Features

Visualization

LCD Display. Resolution 320 X 240. Touch. Full HD, 2.4", for visualization of:

- Temperature, humidity and door states.
- Alarm limits configuration, among other parameters.
- Battery level.
- AC connector.
- Wi-Fi, GPRS or Sigfox signal quality.
- Graphic record of each variable for the last 24 hours.

Alarms

- Inbuilt visual and sound alarms, and WEB and Application (APP) support.
- External alarms by SMS and e-mail.

Ordering Information

3S031801	Device for two sensors and Wi-Fi (IEEE 802.11) 2.4 GHz and Sigfox Ready, RC2 902 – 905Mhz / RC4 920 - 923Mhz, 22dBm ERP.
3S031802	Device for two sensors and GPRS, quad band 850/ 900 /1800 /1900 Mhz.
3SSE031803	Humidity and Temperature sensor for 3Sense Classic
3SSE031802	PT100 Sensor for 3Sense Classic (-328°F to 572°F)
3SSE031801	NTC Temperature Sensor (-40°F to 122°F) for 3Sense C.
3SSE031804	Door Sensor On/Off for 3Sense Classic

Contact Information

To reach 3Sense Classic manufacturer, refer to:

Mail:	info@3sense.tech
USA:	+1 (786) 584-7439
WhatsApp:	+1 (786) 584-7439
Visit:	www.3sense.tech

This device is part of 3Sense 4.0 product family

POWER REQUIREMENTS

Parameter	Standard	Value	Units
Power Adapter	Mini USB A/AB plug	--	--
Max. Electric Current	--	0.15	A
DC Voltage	--	5	V

RECOMMENDED OPERATING CONDITIONS

Operating Conditions	Value	Units
Storage Temperature	50 (20) – 113 (45)	°F (°C)
Storage Humidity	60±25	% R.H./Non-Condensable
Ambient Temperature	32 (0) – 113 (45)	°F (°C)
Ambient Humidity	60±25	% R.H./Non-Condensable

Standard	Protection Type	
IEC standard 60529/ EN 60529	IP40 / Indoor use only	

SUPPORTED APPLICATIONS

Purpose	Range	Common Fields
Humidity and temperature monitoring	RH: 0% to 99% T: -40°F (-40°C) to 176°F (80°C)	✓ Laboratories. ✓ Blood banks. ✓ Pharmacies. ✓ Food processing and production plants. ✓ Veterinary services. ✓ Hospitals.
Temperature monitoring	T: -40°F (-40°C) to 572°F (300°C)	✓ Freezers - Refrigerators - Cold rooms. ✓ Stability chambers. ✓ Incubators. ✓ Server Rooms. ✓ Flower farms. ✓ Cellars. ✓ Refrigerated transport.

WIRELESS SPECS

Device Type	Standard	Note
3S031801	Wi-Fi (IEEE 802.11) 2.4 GHz. WPA2 encryption.	Stores configuration data for up to 3 networks.
3S031802	GPRS. Quad Band: 850/ 900 /1800 /1900 MHz	Can be subscribed to any mobile phone operator.
3S031801	Sigfox Ready, RC2 902 – 905Mhz / RC4 920 - 923Mhz, 22dBm ERP	Zone 2 (USA, Mexico) and Zone 4 (Latin America).

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DIMENSIONS
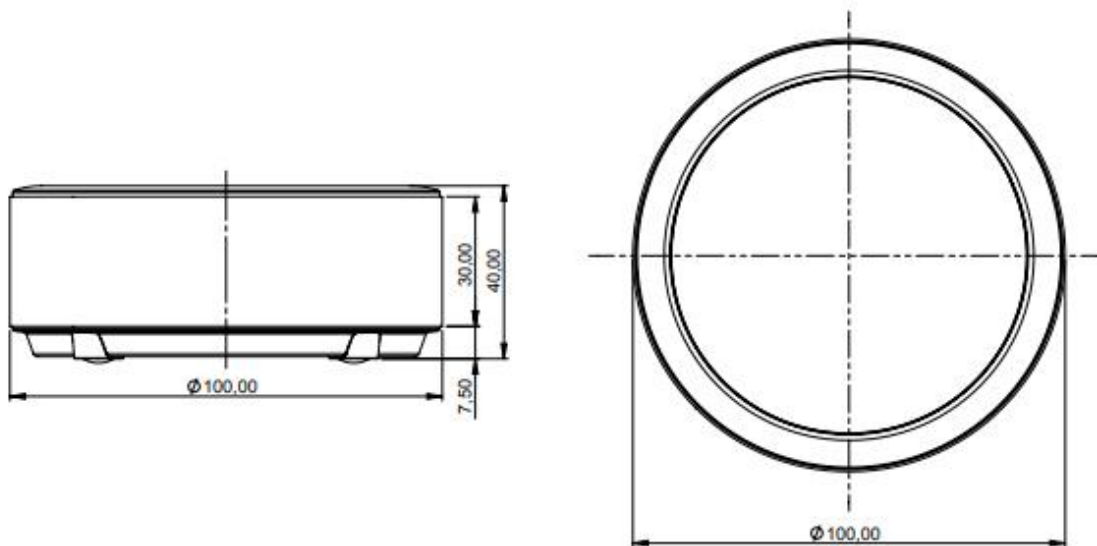
Material: Aluminum AlMgSi 0.5. Frame: ASA+PC-FR (UL 94 V-0), Plastic parts. For further information concerning this enclosure, visit: //goo.gl/FTfW5Z
Weight: 180g, without accessories.

WEB PLATFORM AND SERVICES

Devices work in conjunction with Web Platform and Web Platform APP.

Users can access Web Platform, via WEB or APP, to perform:
- ✓ Remote monitoring and visualization of Temperature and R. Humidity records, in graphs and data tables, from up to 2 years.
- ✓ Alarm management for variables out of range, battery levels and AC power fails.
- ✓ Add comments to records.
- ✓ Set alarm limits, among other custom settings like sensors' names.
- ✓ Configure accounts' access and permits.
- ✓ Set alarm events such as e-mail or SMS notifications.

SENSORS' TECHNICAL SPECIFICATIONS

NTC Temperature Sensor (P/N 3SSE031801)

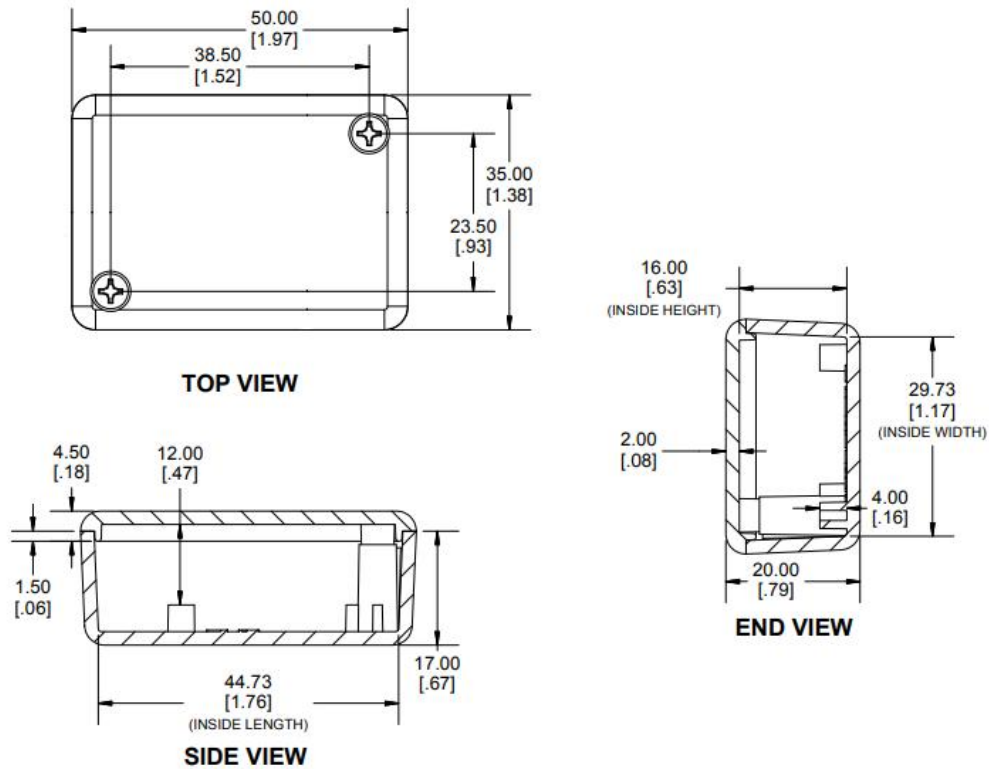| Parameter	Value / Type	
Temperature Range	-40.0 °F (-40°C) to 122°F (50°C)	
Resolution	0.1 °F (0.1°C), over whole range	
Max. Error	1 °F (0.5°C), over whole range	
Probe Type	Thermistor NTC 10K, Stainless steel probe, PVC 2m. cable	

Dimensions

This device is part of 3Sense 4.0 product family
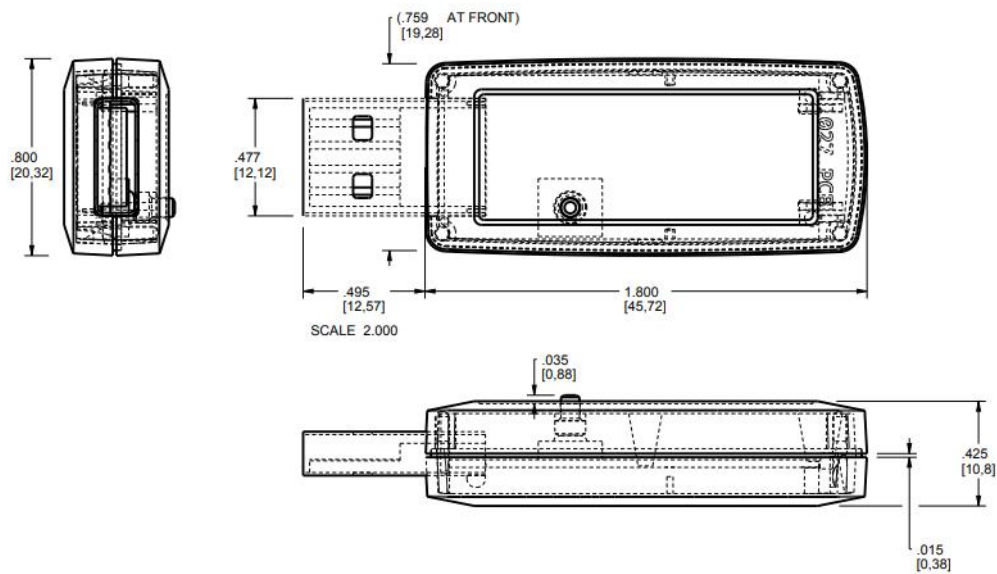
PT100 Temperature Sensor (P/N 3SSE031802)

Parameter	Value / Type	
Temperature Range	-328°F (-200°C) to 572°F (300°C)	
Resolution	0.1 °F (0.1°C), over whole range	
Max. Error	1.8 °F (1°C), over whole range	
Probe Type	PT100 (Platinum RTD), 2m. Fiberglass insulated cable (Up to +400°C)	

Dimensions

50.00 [1.97]
38.50 [1.52]
35.00 [1.38]
23.50 [.93]

TOP VIEW

16.00 [.63] (INSIDE HEIGHT)
29.73 [1.17] (INSIDE WIDTH)
2.00 [.08]
4.00 [.16]
20.00 [.79]

END VIEW

4.50 [.18]
12.00 [.47]
1.50 [.06]
17.00 [.67]
44.73 [1.76] (INSIDE LENGTH)

SIDE VIEW

This device is part of 3Sense 4.0 product family

Temperature and Humidity Sensor (P/N 3SSE031803)

Parameter	Value / Type	
Temperature Range	-40 °F (-40°C) to 176°F (80.0°C)	
Resolution	0.1 °F (0.1°C), over whole range	
Max. Error	1 °F (0.5°C), over whole range	
Relative Humidity Range	0 % to 99% RH	
Resolution	0.1%, over whole range	
Max. Error	0.5%, over whole range	
Probe Type	PVC case	

Dimensions

This device is part of 3Sense 4.0 product family