Model SRF616

Wi-Fi PT100 Temperature Transmitter

The SRF616 is designed to wirelessly monitor an external high-accuracy PT100 probe and the ambient temperature of your storage and work areas with its integral sensor. Probes and accessories are purchased separately.

Features

- Integral Temperature Sensor
- Utilizes one external PT100 channel
- High Accuracy Transmitter: +/-0.1°C/0.2°F
- PT100 External Sensor Probe Range: -200° to +150°C (-328° to +302°F)
- Selectable Scales: °C/°F
- Battery Life: Up to 1 year
- LCD screen for local temperature display
- LCD and LEDs indicate if alarms are active
- Connects to your local Wi-Fi network
- Designed for easy self-installation
- Seamless connection to Setra CEMS™ Connect or Setra CEMS™ Diligence environmental monitoring platforms

Technical Specifications

Scales	°C/°F
Internal Temperature Range	-18°C to +55°C (-0.4°F to +131°F)
External Temperature Range	-200° to +150°C (-328° to +302°F)
Resolution	Internal: 0.1°C (0.2°F) External: 0.05°C (0.1°F)
Instrument Accuracy	<±0.1°C (±0.2°F)
System Accuracy	±0.1°C (±0.2°F) + Probe Accuracy
High / Low Alarms and Alerts	Low and High Alarms / Low and High Alerts both with Alarm Delay and fully selectable Alarms
Number of External Channels	1
Alarm Delay	0-60 minutes
Case Material	Overmolded Polycarbonate
Keypad	2 Button keypad standard on all models (Wi-Fi Provoke and Action Buttons)
Battery Specifications	(4) AA Alkaline Cells or L91 Energizer Ultimate Lithium
Battery Life	Up to 1 Year
Wi-Fi	(IEEE 802.11b/g/n) WPA2-PSK/WPA2-Enterprise
Radio Range	Up to 20m indoors (ESP-32)
Clock Accuracy	20ppm (1 minute/month) at 25°C (+77°F) Synchronized with the Cloud at least once per day
Logging Memory	140,000 Max Records
Logging Frequency	Programmable between 1 minute and 60 minutes
Monitoring Frequency	1 Minute
Radio Rate	5 minutes to 24 hours; >=4 Hours for best battery life
Alarm / Active LEDs (Front)	RED - ALARM / GREEN - Active
Status LEDs (Side)	RED - Wi-Fi Active / YELLOW - Communications Active
Audible Alarm Buzzer	Audible alarm buzzer can be deactivated in the task (Can be silenced with button press on the transmitter)
Environmental Protection / Waterproof	IP65
Dimensions	L 110mm x W 100mm x D 45mm
Weight	300g
Maximum Probe Lead Length	Not to exceed 30m
Warranty	1 Year

Ordering Information

Example part number: SRF616

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Accessories

Part No.	Description
SRFAP100	PT100 Air Probe (1m Lead)
SRFAP200	PT100 Air Probe (2m Lead)
SRFAP300	PT100 Air Probe (3m Lead)
SRFPP200	PT100 Penetration Probe (2m Lead)

Specifications subject to change.

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1 YEAR WARRANTY · RoHS · CE · UKCA

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