



Model SRF613

Wireless Temperature & Humidity Transmitter

The SRF613 is used for wireless temperature and humidity measurements for ambient environments. This Wi-Fi Temperature and Humidity Transmitter utilizes a high accuracy digital sensor for stable measurement of humidity over many years and can be calibrated to remove small offset values.

Features

- Integral digital temperature and humidity sensor
- External Thermistor Sensor Probe Range: -18°C to +55°C (-0.4°F to +131°F)
- Humidity High Accuracy: +/-3% RH range 10 to 90% RH
- Selectable Scales: °C, °F, Dew Point and %RH
- Battery Life: Up to 1 year
- LCD screen for local temperature and humidity 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, Dew Point and %RH	
Internal Temperature Range	-18°C to +55°C (-0.4°F to +131°F)	
Resolution	0.1°C (0.2°F)	
Instrument Accuracy	±0.5°C (±0.9°F)	
Humidity Range	0 to 100% RH	
Humidity Resolution	0.1%	
Humidity Accuracy	±3% RH (10 to 90% RH)	
High / Low Alarms and Alerts	All Channels - Low and High Alarms / Low and High Alerts both with Alarm Delay and fully selectable Alarms	
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	Channels	Total Records*
	1	140,000
	2	96,000
*These numbers are absolute maximums and will be lower for multiple periods of data and/or when wraparound has been started.		
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	
Warranty	1 Year	

Ordering Information

Example part number: SRF613

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