inovonics®

The Inovonics temperature/humidity transmitter is designed for harsh environments, where condensation, frost, temperature, or humidity fluctuations are a concern. The temperature/humidity transmitter requires the remote ACC710 sensor.

Product Features

Transmits temperature and humidity periodically and upon significant change	
Measurement range: –4 to 140°F (–20 to 60°C) and 0 to 100% relative humidity	
Typical accuracy of 0.5°F (0.3°C) and 2.0% relative humidity	

Product Specifications

Dimensions:	3.5" x 1.7" x 0.9" (8.9 x 4.3 x 2.3 cm)
Weight:	1.9 oz. (54 g)
Typical battery life:	8 years at a 5 minute transmission interval
Internal battery type:	Panasonic CR123A
Compatibility requirements:	Must be used with the Inovonics EN4000 serial receiver, EN4080 IP gateway or EN6040 network coordinator; requires an application designed to support advanced functionality
Sensor measurement temperature:	
Units:	Fahrenheit or Celsius
Range:	–4 to 140°F (–20 to 60°C)
Typical resolution:	0.018°F
Typical accuracy:	±0.5°F at 77°F (25°C)
Sensor measurement humidity:	
Range:	0 to 100%RH
Typical resolution:	0.03%RH
Typical accuracy:	±2.0%RH from 10% to 90%RH
Transmitter operating environment:	
Temperature:	–4 to 140°F (–20 to 60°C)
Humidity:	Up to 90% (non–condensing)
Sensor operating environment:	
Temperature:	–4 to 140°F (–20 to 60°C)
Humidity:	Water resistant
Transmitter configuration options:	
Measurement interval:	0.5, 1, 5, or 30 seconds, 1, 5, or 15 minutes, or only on transmit
Transmission interval:	10 or 30 seconds, 1, 2, 5, 10, 15 or 30 minutes
Delta T:	0.5, 1, 5, or 10 degrees or % resistance (Delta T can be disabled)

Product Specifications

Market:	North America, Australia, New Zealand
EchoStream® frequency:	902-928 MHz, frequency hopping spread spectrum
Check-in time frequency:	5 minutes
Regulatory compliance:	FCC, ISED, RCM, RoHS

Reference Materials (available at www.inovonics.com)
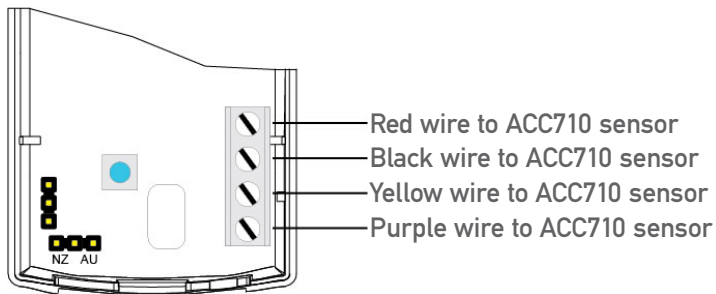
EN1722 Temperature/Humidity Transmitter Installation Instructions

EchoStream Developer Guide

Inovonics Product Catalog: North America

- The range and performance of any wireless product depends on the structure and environment in which it operates.
- Continual enhancements to our products may cause specifications to change without notice.
- Patents: 7,154,866; 7,554,932; 7,746,804; others pending.
- Inovonics supports recycling and reuse whenever possible. Please recycle these parts using a certified electronics recycler.

Inputs

Red wire to ACC710 sensor
Black wire to ACC710 sensor
Yellow wire to ACC710 sensor
Purple wire to ACC710 sensor

Technical documents

For technical documents visit us at http://www.inovonics.com/support/tech-documents/ or use the QR code below.

Mounting plate

The transmitter mounting plate hinges to the transmitter. Just mount the plate and snap the transmitter in place.