



EN1722 - Temperature / humidity transmitter

The Inovonics EN1722 external temperature/humidity transmitter with the remote ACC710 sensor is designed for harsh environments, where condensation, frost, temperature, or humidity fluctuations are a concern. The EN1722 requires the ACC710.

EN1723 - Dual input temperature transmitter

The Inovonics EN1723 dual temperature sensor provides internal measurement and external thermistor options in a single device. The onboard sensor is excellent for monitoring ambient indoor temperature, and the external sensor is user selectable to match your application.

Why Inovonics Wireless is Best

The Inovonics Commercial Mesh Network has been specifically developed for commercial applications to provide the most cost-effective solution for a wide range of applications, while setting new standards for performance and reliability in a wireless sensor network.

Reliability

Inovonics EchoStream 900MHz radio utilizes a unique frequency hopping, spread spectrum technology to meet the demands of an increasingly cluttered wireless world.

Flexibility

The flexibility of wireless is a necessity in today's dynamic commercial environments. The self-configuring EchoStream Commercial Mesh Network allows you to adapt to changing floor plans and requirements in a matter of minutes. New sensors can be added to the network as fast as they can be mounted.

Scalability

The EchoStream Commercial Mesh Network's backbone of intelligent repeaters can extend coverage to thousands of sensors across entire commercial campuses.



EN1722 Transmitter and ACC710 Temperature & Humidity Sensor Specifications

Sensor Measurement:

- Temperature
 - Units: Fahrenheit or Celsius
 - Range: -4° to 140°F
 - Typical resolution: 0.018°F
 - Typical accuracy: ±0.5°F at 77°F
- Humidity
 - Range: 0 to 100%RH
 - Resolution: 0.03%RH
 - Typical accuracy: ±2.0%RH from 10% to 90%RH

Transmitter Configuration Options:

- Measurement intervals of 0.5, 1, 5, or 30 seconds, 1, 5, or 15 minutes, or only on transmit
- Transmission intervals of 10 or 30 seconds, 1, 2, 5, 10, 15 or 30 minutes
- Delta T value of 0.5, 1, 5, or 10 degrees or % humidity. Delta T can be disabled.

Transmitter Battery:

- 3.0V lithium, 1.4Ah (BAT604)
- Typical 8 year battery life at five minute transmissions

Transmitter Physical Characteristics:

- Dimensions: 3.5x1.7x0.9"

Transmitter Operating Environment:

- -4° to 140°F
- Up to 90% humidity non-condensing

Sensor Physical Characteristics

- Dimensions: 1.7x0.5x0.3"
- Cable length: 60"

Sensor Operating Environment

- -4° to 140°F
- Water resistant

System requirements:

- Requires use of the EN4000 serial receiver and an application designed to support advanced functionality



EN1723 Dual Input Temperature Transmitter Specifications

Temperature Measurement:

- Internal measurement transmitted as temperature
 - Fahrenheit or Celsius
 - Internal measurement range of -13° to 140°F
 - Typical accuracy of 0.8°F at room temperature
- External measurement transmitted as temperature or resistance
 - External thermistor temperature range of -22° to 212°F
 - External thermistor resistance range of 100 to 250,000 ohms
- Typical external resistance measurement accuracy: + or - 1% from 100 ohms to 500 ohms, + or - 0.5% 500 ohms to 250K ohms

Configuration Options:

- Measurement intervals of 0.5, 1, 5, or 30 seconds, 1, 5, or 15 minutes, or only on transmit
- Transmission intervals of 10 or 30 seconds, 1, 2, 5, 10, 15 or 30 minutes
- Delta T value of 0.5, 1, 5, or 10 degrees or % resistance. Delta T can be disabled

Battery:

- 3.0V lithium, 1.4Ah (BAT604)
- Typical 8 year battery life at five minute transmissions

Physical Characteristics:

- Dimensions - 3.5x1.7x0.9"

Transmitter Operating Environment:

- -4° to 140°F

System requirements:

- Requires use of the EN4000 serial receiver and an application designed to support advanced functionality