



### EE1722 - Temperature / humidity transmitter

The Inovonics EE1722 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 EE1722 requires the ACC710.

### EE1723 - Dual input temperature transmitter

The Inovonics EE1723 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 868MHz radio utilizes a unique multi-frequency, 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.



### EE1722 Transmitter and ACC710 Temperature & Humidity Sensor Specifications

#### Sensor Measurement:

- Temperature
  - Units: Fahrenheit or Celsius
  - Range: -20° to 60°C
  - Typical resolution: 0.01°C
  - Typical accuracy:  $\pm 0.3^{\circ}\text{C}$  at 25°C
- Humidity
  - Range: 0 to 100%RH
  - Resolution: 0.03%RH
  - Typical accuracy:  $\pm 2.0\%$  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: 89x43x23mm

#### Transmitter Operating Environment:

- -20° to 60°C
- Up to 90% humidity non-condensing

#### Sensor Physical Characteristics

- Dimensions: 43x13x8mm
- Cable length: 1.5m

#### Sensor Operating Environment

- -20° to 60°C
- Water resistant

#### System requirements:

- Requires use of the EE4000 serial receiver and an application designed to support advanced functionality



### EE1723 Dual Input Temperature Transmitter Specifications

#### Temperature Measurement:

- Internal measurement transmitted as temperature
  - Fahrenheit or Celsius
  - Internal measurement range of -25° to 60°C
  - Typical accuracy of 0.5°C at room temperature
- External measurement transmitted as temperature or resistance
  - External thermistor temperature range of -30° to 100°C
  - 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 - 89 x 43 x 23mm

#### Transmitter Operating Environment:

- -20° to 60°C

#### System requirements:

- Requires use of the EE4000 serial receiver and an application designed to support advanced functionality