## ENVIROMUX® Series

# E-RTDT1W-1562
## 1-Wire RTD Transmitter
## Installation Manual



**Front View of E-RTDT1W-1562**

**TRADEMARK**

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**CHANGES**

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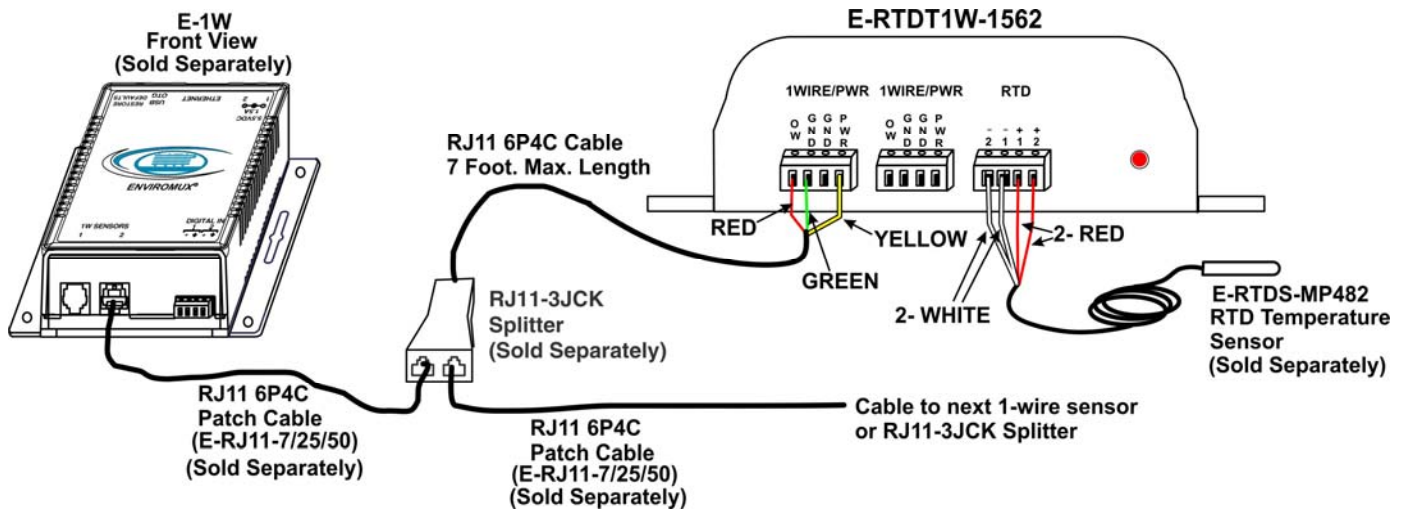
**FIRMWARE VERSION**

Connect the E-RTDT1W-1562 to E-1W Low Cost Environment Monitoring System having firmware version 3.12 or newer.
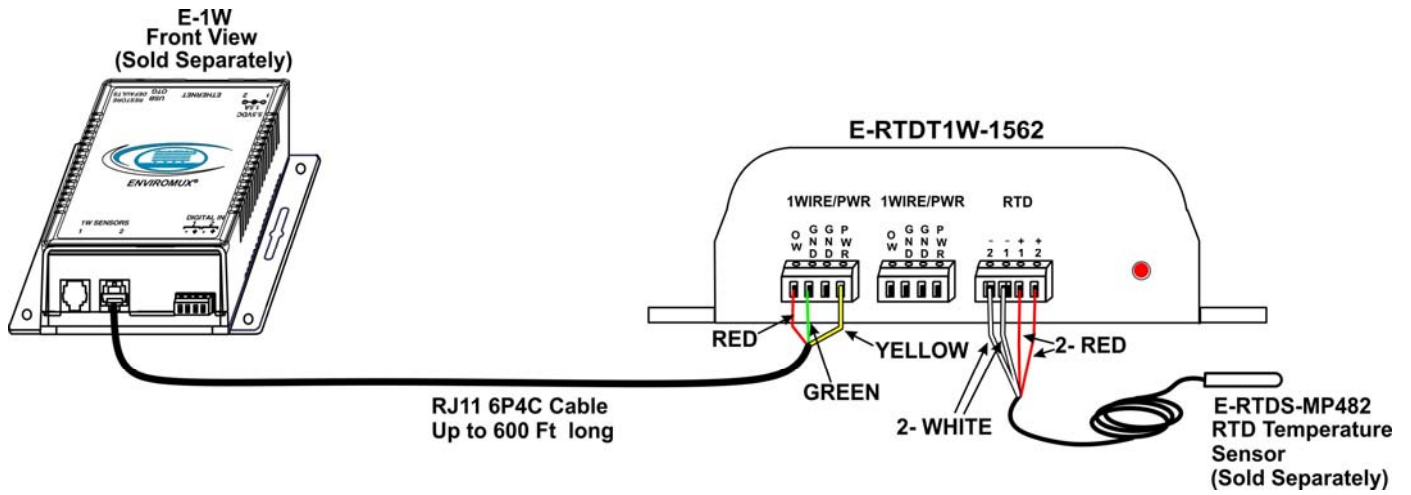
## FEATURES

- Use to connect 100 Ohm platinum RTD temperature sensors to the E-1W.
- Temperature range of sensors that can be connected: -328 to 1562°F (-200 to 850°C)
- Accurate to within ±0.09% x°F (±0.05% x°C)
  - If the connected RTD sensor does not support this high of accuracy, the system will revert to the accuracy of the sensor.
- Configuration: 4-wire connection
- Sensor Element: 100Ω platinum
- Signal Output: 1-Wire communication protocol
- Integrated mounting brackets for easy surface/wall mounting.
- Dimensions WxDxH: 4.11x2.23x1.59 in (104x57x40 mm)
- Operating temperature of Transmitter: -40 to 185°F (-40 to 85°C).
- TAA compliant.
- Compatible with E-1W.
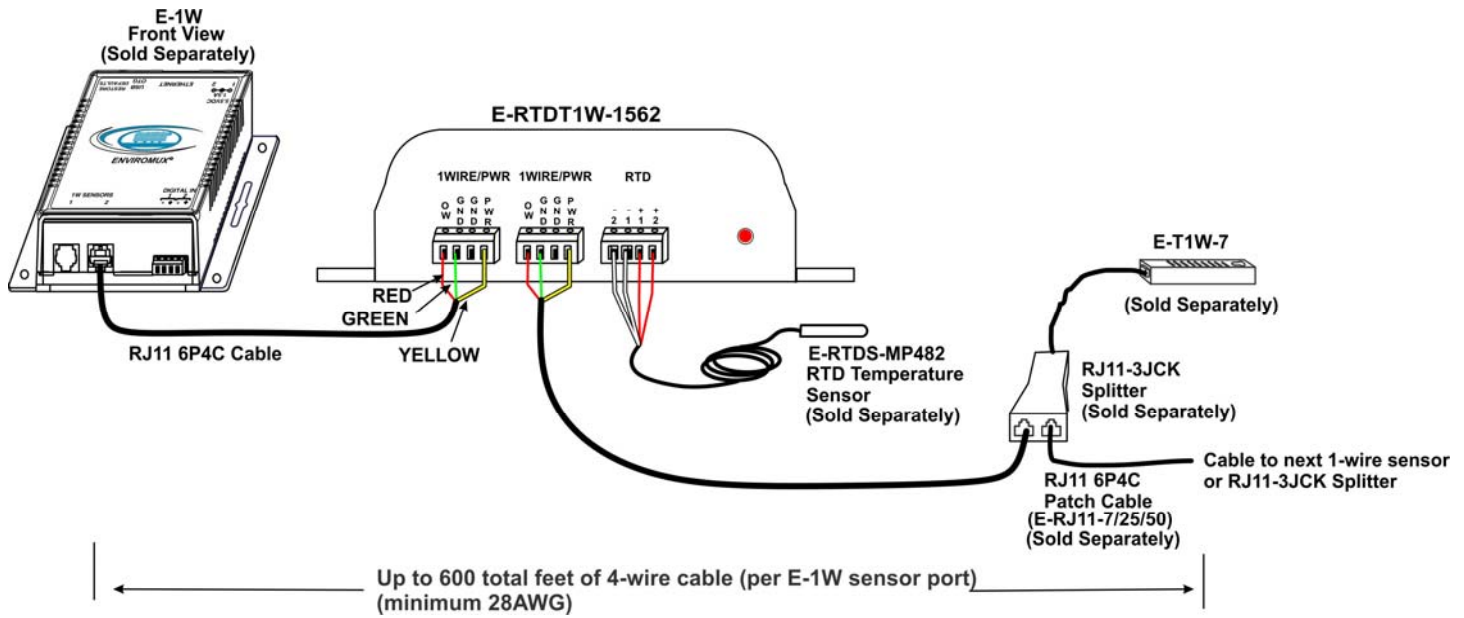- Powered by E-1W.

## INSTALLATION



When connected in a chain with other 1W sensors, the E-RTDT1W-1562 can be connected to a RJ11-3JCK splitter with a cable up to 7ft in length.
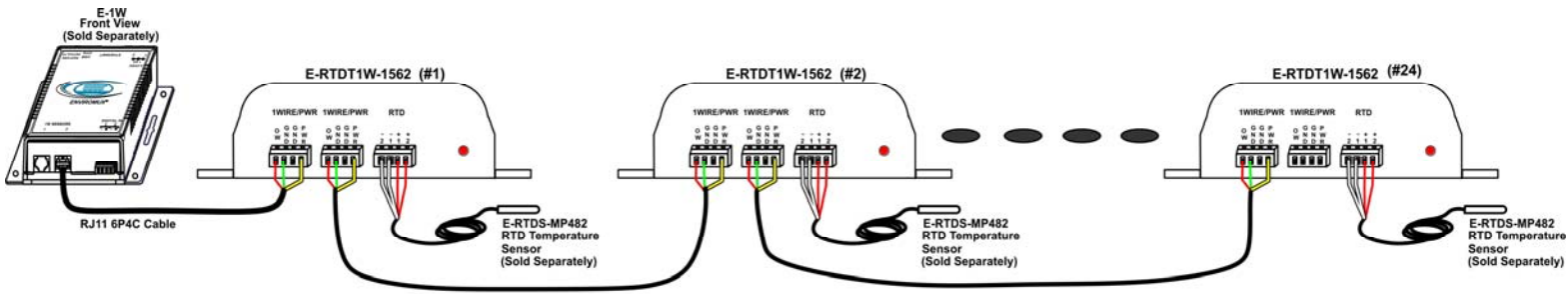
**Note: The LED on the E-RTDT1W-1562 does not illuminate when used with the E-1W.**
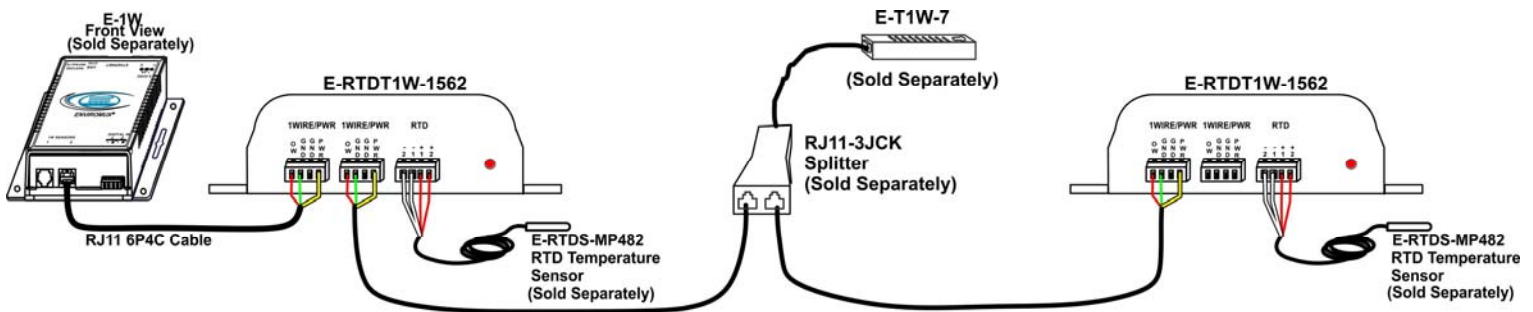
When connected by itself to the E-1W sensor port 1 or 2, the cable to the E-RTDT1W-1562 can be up to 600 feet in length.



When using the second "1WIRE/PWR" terminal set, you can omit the first RJ11-3JCK Splitter and pass the 1-Wire signal through the E-RTDT1W-1562.

Up to 24 E-RTDT1W-1562 RTD Transmitters can be daisy-chained to install up to 24 E-RTDS-MP482 RTD Sensors on each E-1W sensor port.



If other 1-Wire sensors (i.e. E-1W-7) need to be installed between two E-RTDT1W-1562 RTD Transmitters, install an RJ11-3JCK Splitter to connect the 1-Wire Sensor to.

**General Installation Note**

Make sure the E-1W is running firmware version 3.12 or newer when the E-RTDT1W-1562 is connected in order to see the RTD temperature sensor connected to the Transmitter.

**Note: The LED on the E-RTDT1W-1562 does not illuminate when used with the E-1W.**

## E-RTDS-MP482  Mini Probe 100 Ohm RTD Sensor, -319 to 482°F (-195 to 250°C), 4-Wire

**Features:**

- Applications from -319 to 482°F (-195 to 250°C).
- Accurate to within ±0.27% x°F (±0.15%x°C).
- Probe size: 0.12" (3 mm) round x 0.79" (20 mm) long stainless steel housing.
- Cable length: 3.28 ft (1 m) 4-wire lead.
- PT100, Type A, 385 curve

See the product manual for the E-1W for instruction on monitoring sensor readings and setting alert communications.

## WARRANTY INFORMATION

The warranty period on this product (parts and labor) is two (2) years from the date of purchase.  Please contact Network Technologies Inc at **(800) 742-8324**  (800-RGB-TECH) or **(330) 562-7070** or visit our website at http://www.networktechinc.com for information regarding repairs and/or returns.  A return authorization number is required for all repairs/returns.

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