Humidity & Temperature Outdoor 1-Wire sensor

A simple digital temperature and humidity sensor for indoor and outdoor usage. The sensor is designed for using with the Poseidon, Ares, HWg-STE and other HW group products.

You can have several parallel sensors on one RJ11 sensor port. Each one sensor is identified by a unique serial number.
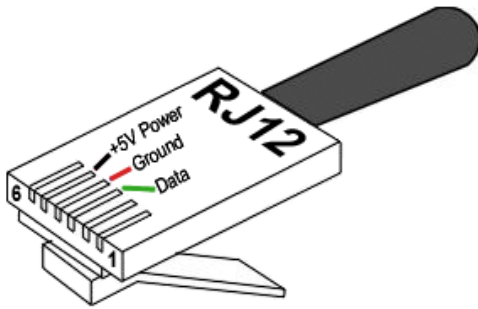

Technical parameters

- **Sensor measured range**   **-30°C to +85°C   (-22°F to +185°F)**
  0-100% RH   (Relative Humidity)

- Temp. sensor resolution   0.1 °C
- Temp. measuring accuracy   ± **0.8 °C** in range from +20°C to +40°C
  ± 2.5 °C in range from -30°C to +85°C

- RH Accuracy   ± 5% RH, 20-80%RH non-condensing, 25 °C
- RH Linearity   <2% RH typical
- RH Hysteresis   ±2% RH
- RH Repeatability   ±0.2% RH

- Communication   1-Wire bus (Data, GND, +5V) - RJ11 male

- Probe dimension & cable   Ø15mm, 125mm long, cable 3m (montage plate 2x Ø3.5mm)
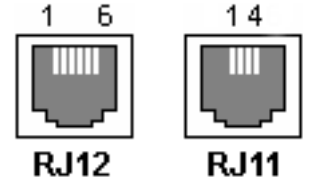- Outdoor usage   Montage the sensor protected from direct rain exposure.

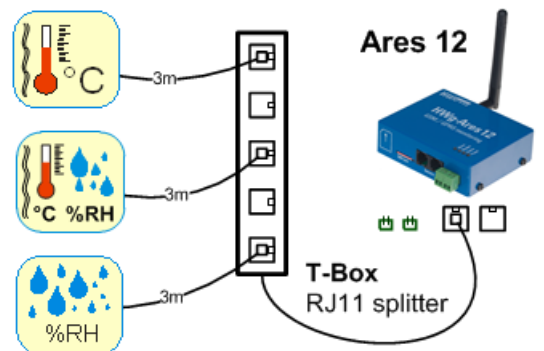| Similar sensors overview	
HTemp-1Wire Outdoor 3m	*Temperature & Humidity outdoor sensor, 3m cable RJ11 connector.*
HTemp-1Wire 3m	*Temperature & Humidity sensor, 3m cable RJ11 connector.*
HTemp-1Wire Box2	*Temperature & Humidity sensor, 2x RJ12 female (can be daisy-chained). Boxed version designed for internal usage*
HTemp-1Wire Rack19	*Temperature & Humidity sensor, 2x RJ12 female (can be daisy-chained). Designed for 19" rack cabinets usage.*
Humid-1Wire 1m / 3m / 10m	*Humidity sensor for indoor usage, RJ11 connector, 1m / 3m / 10m cable.*

Connectors

RJ12	RJ11			
3	2	**Data**	<->	Data 1-Wire
4	3	**GND**	---	System Ground
5	4	**+5V**	---	Power supply

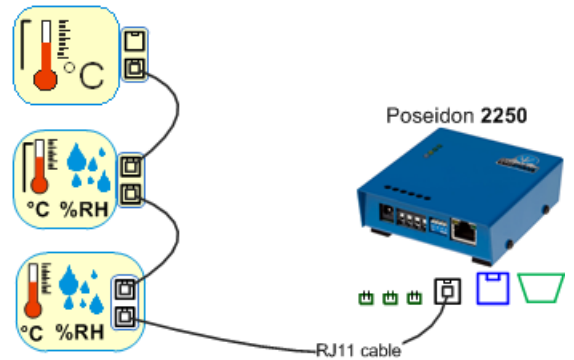# Sensors wiring examples

Star topology – 60m in total:

You can use the T-Box or T-Box2 splitters to connect more sensors to one device active port.

Daisy-chained – 60m in total:

There are **two RJ11 female connectors** on some sensors.

4x active port, 4x60m: