

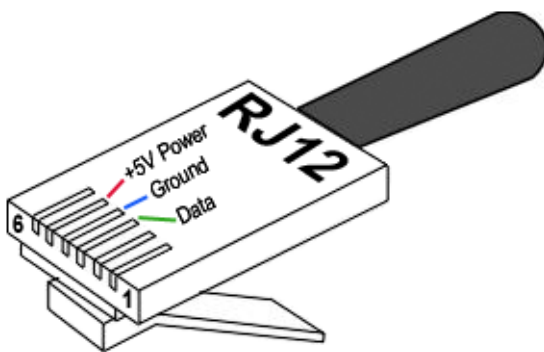
Humid-1Wire

A simple digital humidity sensor, communicating over 1-wire bus (MicroLan). The sensor is designed for using with the Poseidon family products.

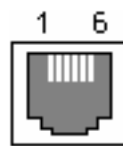
You can have several parallel sensors on one bus, each one is identified by a unique serial number. The humidity sensor uses an integrated measuring element with accuracy of $\pm 2\%$ RH.



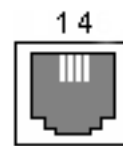
Connectors



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



RJ12



RJ11



Technical parameters

- RH Accuracy: $\pm 2\%$ RH, 0-100% RH non-condensing, 25 °C
- RH Interchangeability: $\pm 5\%$ RH, 0-60% RH; $\pm 8\%$ @ 90% RH typical
- RH Linearity: $\pm 0.5\%$ RH typical
- RH Hysteresis: $\pm 1.2\%$ RH span maximum
- RH Repeatability: $\pm 0.5\%$ RH
- RH Response Time, 1/e: 15 sec in slowly moving air at 25 °C
- RH Stability: $\pm 1\%$ RH typical at 50% RH in 5 years
- Communication: 1-Wire bus
- Communication line: 1-Wire (Data, GND, +5V)
- Other elements: Pull-up resistor 10 k Ω , power supply capacity: 100nF

OID	Sensor type
600 278	Humid-1Wire 1m - RJ11 connector / 1 m cable / black covering
600 279	Humid-1Wire 3m - RJ11 connector / 3 m cable / black covering
600 333	Humid-1Wire 10m - RJ11 connector / 10 m cable / black covering
600 330	HTemp-Rack19 – Temperature & Humidity sensor, 2 RJ11 connectors on the sensor, RJ12 cable included. Designed for 19" rack cabinets to be placed as 1U device.
600 344	HTemp-1W Box2 – Temperature & Humidity sensor, 2 RJ11 connectors on the sensor, RJ12 cable included. Designed for wall montage.