

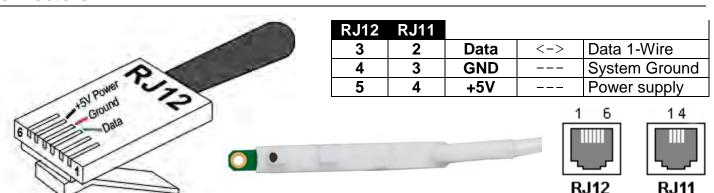
Humid-1Wire

A simple digital temperature and humidity sensor for indoor usage. The sensor is designed for using with the Poseidon, HWg-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.



Connectors



Technical parameters

• Sensor range 0-100% RH (Relative Humidity)

RH Accuracy ± 5% RH, 2-80%RH non-condensing, 25 °C

RH Linearity & Hysteresis < 2% RH typical, ±2% RH span maximum

RH Repeatability ±0.2% RH

• RH Response Time, 1/e 15 sec in slowly moving air at 25 °C

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

• Probe dimension & cable 78 x 9.5 x 6 mm, cable 3m

Montage drill Ø3mm

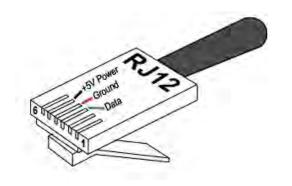
Operating temperature range -40°C to +85°C

Similar sensors		
Humid-1Wire 1m / 3m / 10m	Humidity sensor for indoor usage, RJ11 connector, 1m/3m/10m cable.	
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.	

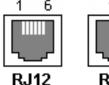
March 11, 2014 www.HW-group.com

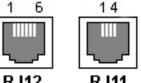
HW group Humid-1Wire

Connectors



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

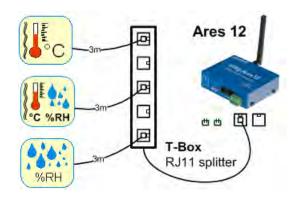




Sensors wiring examples

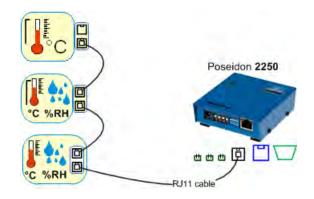
Star topology – 60m in total:

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

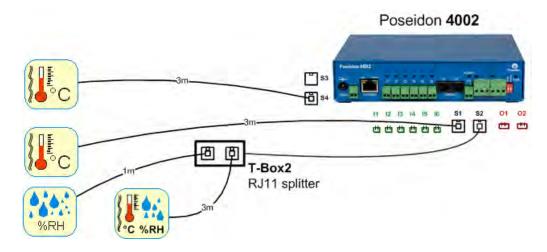


Daisy-chained - 60m in total:

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



4x active port, 4x60m:



www.HW-group.com March 11, 2014