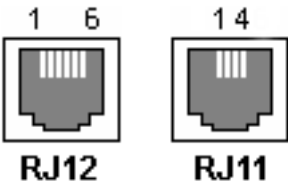


A simple digital humidity sensor, communicating over 1-wire bus (MicroLan).  
The sensor is designed for using with the Poseidon family products.

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.



• 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 $\Omega$ , power supply capacity: 100nF

		cable / black covering
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	– Temperature & Humidity s RJ12 cable included. Designed for 19" rack c	