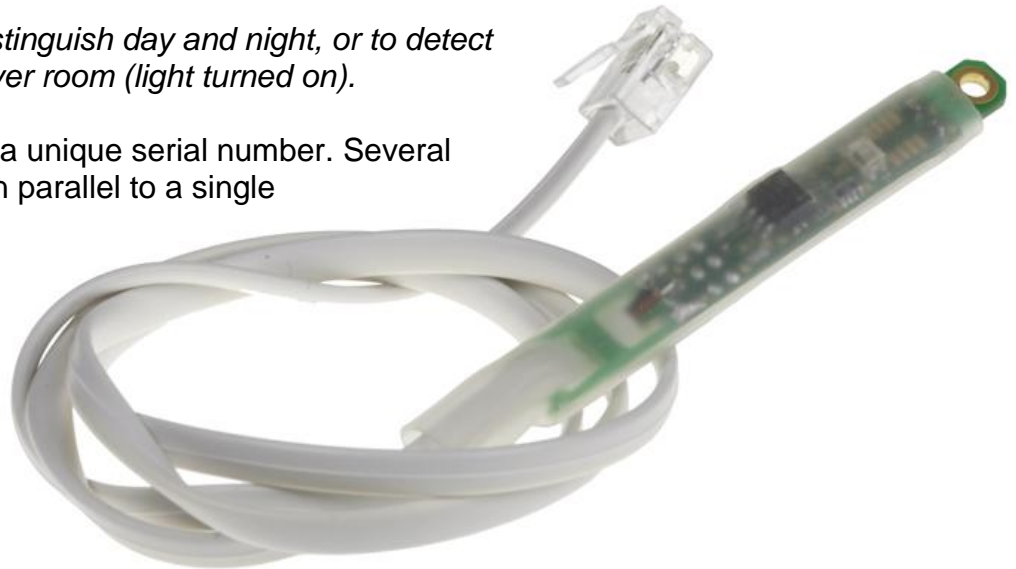# Light 1Wire-UNI sensor

Simple light intensity sensor for indoor use. The sensor is designed for use with Poseidon, Ares and other HW group products. The sensor connects to the 1-Wire UNI interface.

A typical application is to distinguish day and night, or to detect presence of people in a server room (light turned on).

Each sensor is identified by a unique serial number. Several sensors can be connected in parallel to a single RJ11 sensor port.
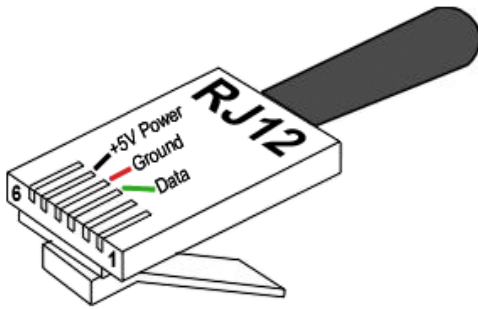

Technical parameters

- Output   **0 – 100%**

- Communication   1-Wire bus (Data, GND, +5V) – RJ11
- Operating conditions   -40°C to +85°C (-40°F to +185°F)

- Probe dimension & cable   78 x 9.5 x 6 mm, cable 3m
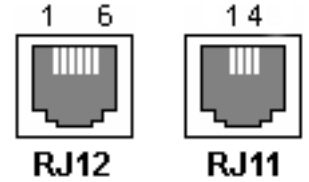- Mounting hole drill   Ø3mm

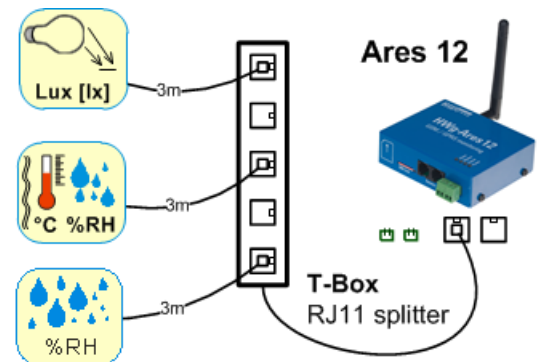| Similar sensors	
Sensor Light 1W-UNI 3m	*Light indoor sensor, 3m cable RJ11 connector.*
HTemp-1Wire 3m	*Temperature & Humidity sensor, 3m cable RJ11 connector.*
Sensor 60V 1W-UNI v2	*0 to 60V DC voltage sensor for 1-Wire UNI. 2x RJ12 female (can be daisy-chained).*
Sensor 20mA 1W-UNI	*0 to 20mA DC current sensor for 1-Wire UNI. 2x RJ12 female (can be daisy-chained).*
Sensor WLD Relay	*Water Leak Detection sensor 2+2m with Relay and 1-Wire UNI outputs. Ready to use package with 12V power adaptor, 2m of WLD sensing cable included. Can be used for 2D surface liquids detection.*

Connectors

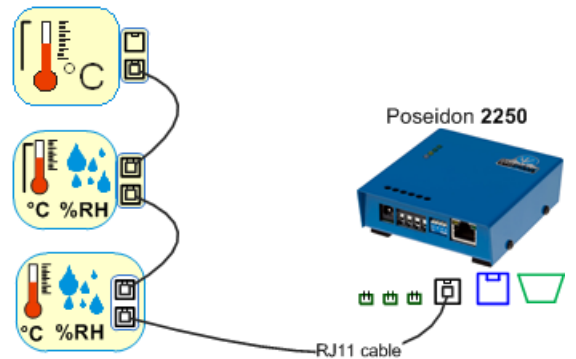| RJ12	RJ11			
3	2	**Data**	<->	Data 1-Wire
4	3	**GND**	---	System Ground
5	4	**+5V**	---	Power supply

Sensor wiring examples

Star topology – 60m in total:

Daisy-chained – 60m in total:
There are two RJ11 connectors on some sensors.

4x active port, 4x60m: