

Temp-485 Box2

RS-485 indoor temperature sensor

An RS-485 temperature sensor with a simple text communication protocol. The sensor has a minimal power consumption and can be powered from a non-stabilized power supply.

The measured temperature is sent in °C using a simple text protocol. You can connect up to 32 sensors over a 4-wire bus containing a RS-485 line and a power source, up to distance of 1200 m

Temp-485 Box2 uses an integrated temperature sensor with $\pm 0.5^{\circ}\text{C}$ accuracy. The module is equipped with LED indicating that measurement is in progress.



Applications

- Wide temperature measuring systems
- Industry measurement and regulation
- Temperature measuring of food and medication storages
- Temperature measuring of industrial or residential premises.

- When connected to a Poseidon device – measurements are transferred over Ethernet network
- When connected to a Poseidon device – ability to log up to 100 000 values to internal Flash memory.



Basic features

- Temperature measurement form -10°C up to $+70^{\circ}\text{C}$
- The address can be set using jumpers or terminal SETUP mode
- RS-485 communication
 - Compatible with Poseidon model 1250
 - Compatible with Poseidon model 2251
- LED indication
- Easy wall mounting
- Minimum power consumption, no need for voltage regulation
- The sensors are designed for the Poseidon SNMP thermometer device

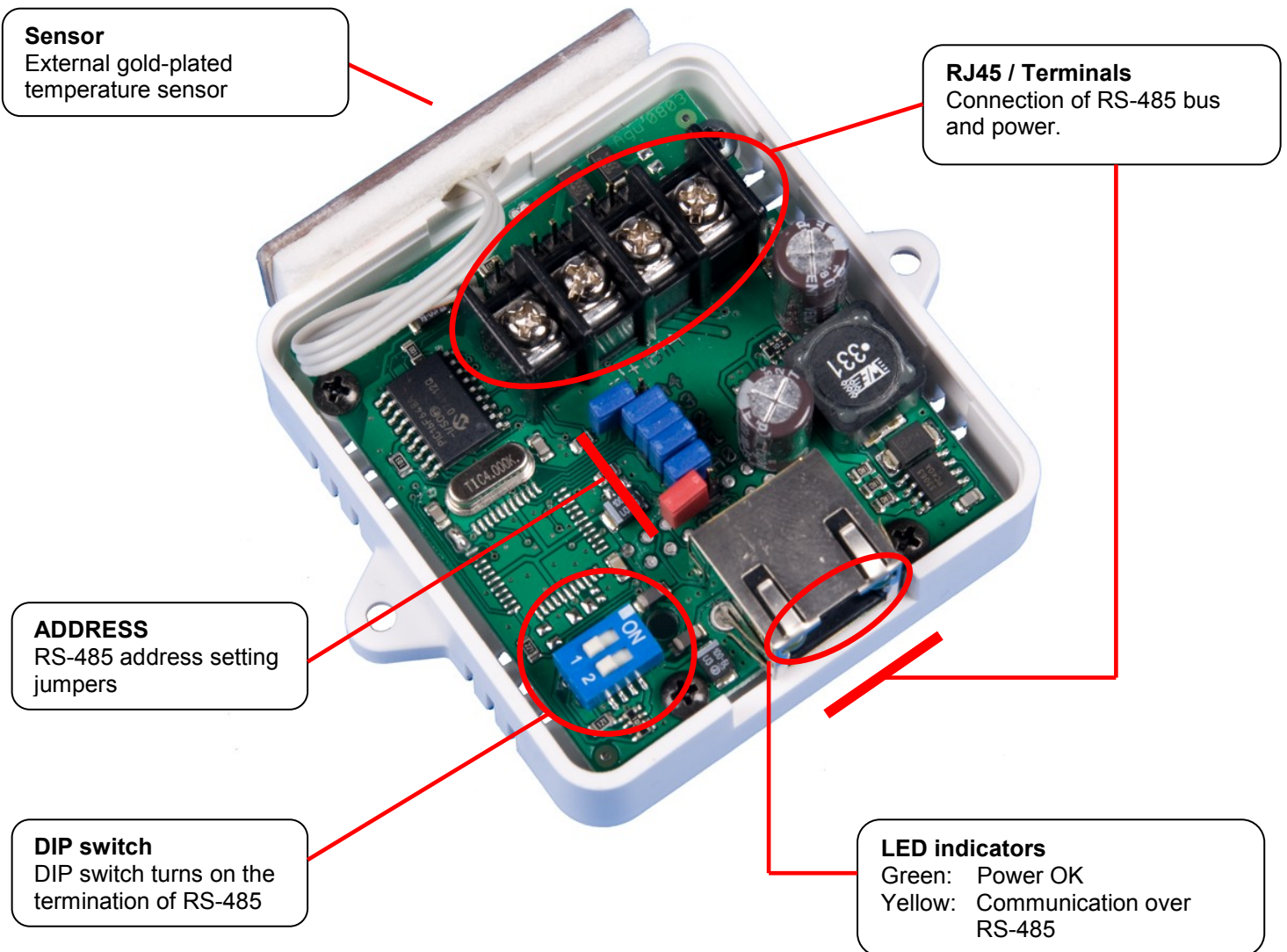
```
#### Temp485  SETUP  ####
####  Hw:r1  Fw:r1  ####

Temperature:      +030.3C
D: Outg. delay:   0s
A: Address:       8
R: Resolution:    L
X: Exit
### www.HW-group.com ###

Temp485>
```

SETUP mode

Temp-485 Box2 – Technical parameters



Measured temperature range..... -10°C up to +70°C
 Temperature measurement accuracy..... +/- 0,5 °C

Power voltage..... +8V to +30V DC, polarity reversing protection

RS-485 termination Optional (DIP 1 and 2), always equipped with 10 kΩ resistors defining idle state of the line

Wire connection Terminal / RJ45

Protection category: IP 20

Outer box dimensions: 80 x 64 x 67 mm

Wall mounting: Mounting the sensor on the wall by two screws

Ordering number

600 342 | **Temp-485 Box2**

Indoor temperature sensor with RJ45 and terminal for RS-485 connection