

**LGTHD-02 Temperature and humidity sensor
User's Manual****Application**

Temperature and humidity sensor LGTHD-02 is used for measuring temperature and humidity indoors. The casing of the sensor is adapted for wall installation. Communication with the sensor is achieved by RS-485. Two large, readable LED displays and large LED diodes signalling that transmission is correct and door is open (the diode is on – contact is open) are located on front side of sensor casing. Up to 32 sensors may be connected to the single RS-485 line.

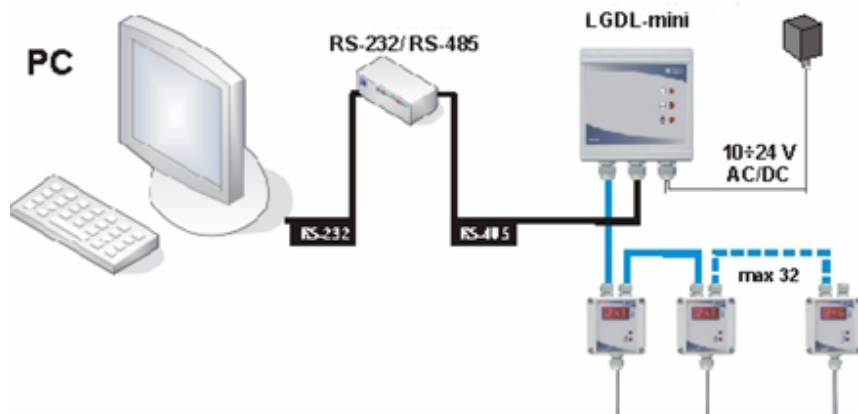
Optional: the sensor connected by elastic conductor with the measuring probe is available.



Technical Data

- Overall dimensions: 82x80x57mm
(including measuring probe and terminals: 82x231x57mm)
- Protection level: IP65
- Power supply: 12..24VAC or 15..30VDC
- Data transmission: RS-485 interface, communications protocol:
MODBUS RTU
- Temperature measuring range: -40..85°C
- Measuring resolution for temperature: 0.1°C
- Measuring accuracy for temperature: 0.5°C
within range: -10..85°C
- Humidity measuring range: 0..100%
- Measuring resolution for humidity: 1%
- Measuring accuracy for humidity: 3%
- Power consumption: below 2 W

Transducers connected in a network



COMMENT:

EVERY UNIT CONNECTED TO THE LOGGINET SYSTEM SHALL HAVE ITS INDIVIDUAL ADDRESS.

Wire connection it is recommended to use screened wire 4x2x0.25 mm or 4x 2x0.14 mm (cord),

Connecting of a transducer

