

LD-TH/A

Wireless temperature and humidity sensor

Wireless and maintenance free temperature and humidity sensor (optical) with a small pre-installed solar cell, an internal energy harvester. If energy storage fully charged, it can work 4 days in total darkness.

When wake up, a radio telegram will be transmitted in case of a significant change of measured temperature or set point values or if the external occupancy button is pressed.

This module can be glued or screwed in place and is thus easy to attach to glass and plaster.



GENERAL DATA

Power supply	Indoor light
Temperature measure range	0°C to +40°C
Humidity measure range	0% to 100% r.h.
Transmit cycle	15min typ. Can be configured

MECHANICAL DATA

Dimensions	Outer size:90.5x21.5x13.5mm
Material	PC, White
Installation	Screwed or Pasted

ELECTRICAL DATA

Energy harvesting source	Indoor light power
Start up time	typ. 2.5 min @ 400 lux / 25 °C
Initial operation time in darkness @ 25°C	typ. 4 days, min. 60 hours

WIRELESS DATA

Antenna	Internal
Radio technology	EnOcean, 868MHz
Modulation technology	ASK
Transmission range	300m free field, typ. 30m within buildings
EnOcean Equipment Profile (EEP)	A5-02-05(default), A5-10-05, A5-10-03 and with humidity: A5-04-01, A5-10-10, A5-10-12



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