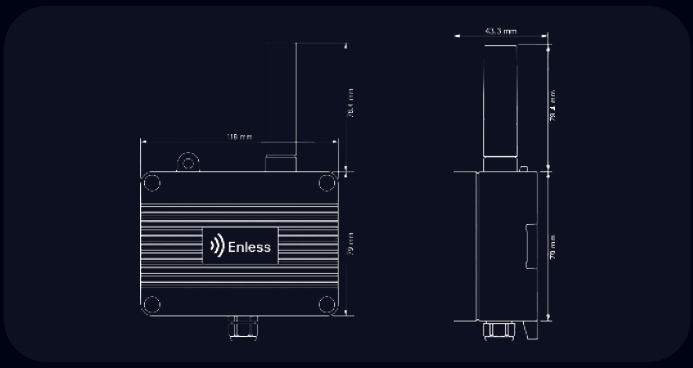
LoRaWAN operative temperature sensor
1x black bulb probe

TX TEMP CONT1 600-132 + BLACK BULB PROBE

Description

Designed to accurately measure the comfort temperature felt by occupants, this LoRaWAN temperature sensor equipped with a PT1000 black bulb probe allows for the measurement of operative temperature, taking into account both air temperature and thermal radiation from surrounding surfaces. Compatible with LoRaWAN and LoRa Easy protocols (Enless proprietary protocol), its data can be sent directly to your monitoring system or building management system, without the need for cable installation or heavy work.

Dimensions



Radio

Supported protocols	LoRaWAN LoRa Easy (Enless proprietary protocol)
LoRaWAN Class	Class A
LoRaWAN Version	Version 1.0.4 - RP002-1.0.3
Frequency	US915 (915MHz)
Identifiers	LoRaWAN: DevEUI, AppEUI, AppKey LoRa Easy: LoRa ID
Transmission power	25mW (14 dBm)
Encryption	AES128 in LoRaWAN mode

Features

Protection rating of housing	Nema 4 / IP65
Mounting	Wall-mounted (screwed), Clamp, DIN rail
Operating temperature	-20 / +55°C
Power supply	3.6V Lithium battery type D (BAT D 1000-031) Info: Replaceable battery
Battery life	12 years for a transmission every 5 minutes (SF9) Up to 15 years of autonomy
Configuration	LoRaWAN: Downlink LoRa Easy: From the receiver's server

Measurements

Probe type	PT1000 (2 wires)
Probe length	1.5m
Diameter of the black bulb	Ø 50 mm
Temperature	Probe measurement range: -30 / +80°C Probe accuracy: +/- 0.5°C

Certifications

CE UKCA LoRaWAN