

Radio sensors for BMS and HVAC integrators

2025 catalogue

About Enless



Enless, a manufacturer of radio sensors designed for energy efficiency and building comfort, has developed its expertise in the realms of Smart Building and IoT. Enless provides a catalog of radio sensors primarily utilizing the LoRaWAN protocol. Enless sensors cater to a clientele of BMS and HVAC integrators, facilitating the monitoring of comfort, air quality, and energy consumption within buildings.

Enless products supplant conventional cable pulling with a dependable and economical radio solution. Featuring high-capacity batteries, Enless sensors can be swiftly installed in various environments—commercial, residential, or industrial—and ensure prompt data transmission to your BMS or IoT network.

Key metrics



15

years of expertise

+500

customers in
the globe

400 000

sensors deployed
into circulation

+20%

of annual growth

Technological expertise



Enless sensors utilize the LoRaWAN (Low Power Wide Area Network) protocol. This technology enables devices to communicate over extensive distances while minimizing energy consumption. Consequently, LoRaWAN sensors can function independently on batteries, transmitting their data via radio over several kilometers.



Catalogue

A catalogue of **LoRaWAN**
sensors specifically engineered
for **Building Management**
System applications.

Comfort Air Quality



Sensors designed for
room management and
indoor air quality.



T&H Sensor
TX T&H AMB 600-021



IAQ sensor
TX CO2 T&H AMB 600-023

Available from June 2025



Mini T°C Sensor
TX TEMP MINI 600-050



T&H Sensor
TX T&H AMB 600-051



T&H Sensor Display
TX T&H AMB E-INK 600-052



IAQ Sensor
TX CO2 T&H 600-053



PIR & Light Sensor
TX LIGHT PIR T&H 600-061



PIR Light T&H Sensor
TX LIGHT PIR T&H 600-062




Desk Sensor
TX DESK 600-064

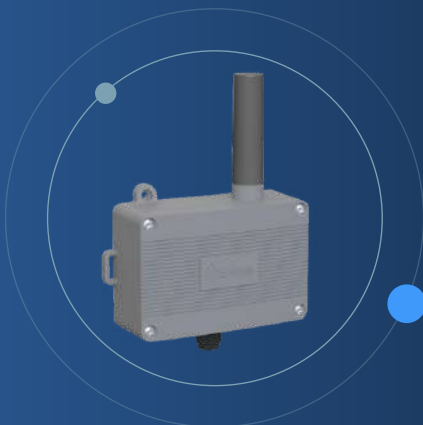


Window Sensor
TX WINDOW 600-065

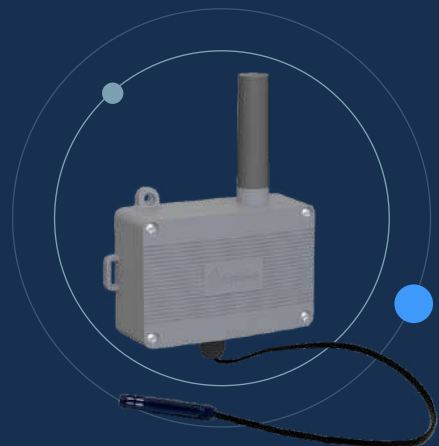
Temperature Surveillance



Ruggedized sensors designed for temperature measurement in extreme environments.



**Hardened
Temperature Sensor**
TX TEMP INS 600-031



**T&H Sensor
External Probe**
TX T&H EXT 600-034



**Temperature Sensor
Mono External Probe**
TX TEMP CONT1 600-032



**Temperature Sensor
Dual External Probe**
TX TEMP CONT2 600-232

Smart Metering

Effortlessly access meter data through our remote reading sensors.



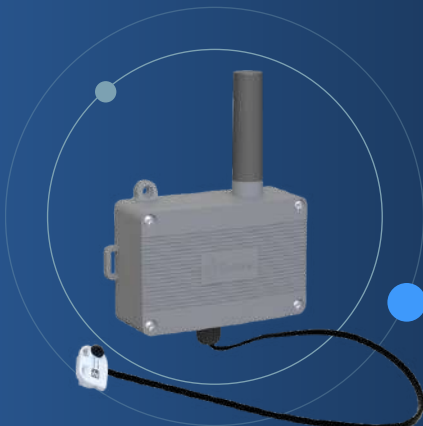
**Pulse
Sensor**

TX PULSE 600-036



**ATEX-Certified Pulse
Sensor**

TX PULSE ATEX 600-037



**Optical LED Reading
Sensor**


TX PULSE LED 600-038



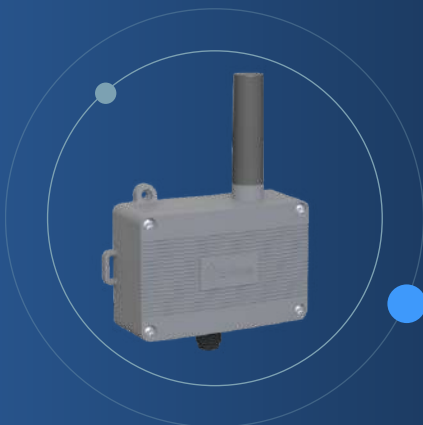
**Modbus Master
Transmitter**

TX MODBUS 600-041

Industrial Applications



Sensors designed for industrial applications



**Analog Sensor
4/20 mA**
TX 4/20 600-035



**ON/OFF Contact
Sensor**
TX CONTACT 600-039



**Leak Detection
Sensor**
TX CONTACT 600-039 + LEAK CABLE



**Actuator
Transmitter**
TX IO 600-040

Proprietary LoRa protocol

Process data from Enless
sensors on your BMS utilizing
our proprietary receivers.



Enless LoRa Receivers

Streamlined integration with your BMS

Enless LoRa receivers facilitate the reception of data from Enless sensors (up to 50 sensors). This data is subsequently transformed into Modbus table or BACnet objects, enabling streamlined integration into your PLCs.



- Can manage up to 50 Enless sensors.
- Natively decodes data frames
- Available in Modbus or BACnet configurations.
- Process of ultra-simple installation



Modbus TCP/IP and RTU

Quick installation

Ref: RX MODBUS 500-302

BACnet IP and MSTP

Quick installation

Ref : RX BACNET 500-312

Receivers tailored for compatibility with the leading PLC's available in the market.

DISTECH
CONTROLS

TRIDIUM

SIEMENS

TREND

WIT

ISMA
CONTROLLI

Schneider
Electric

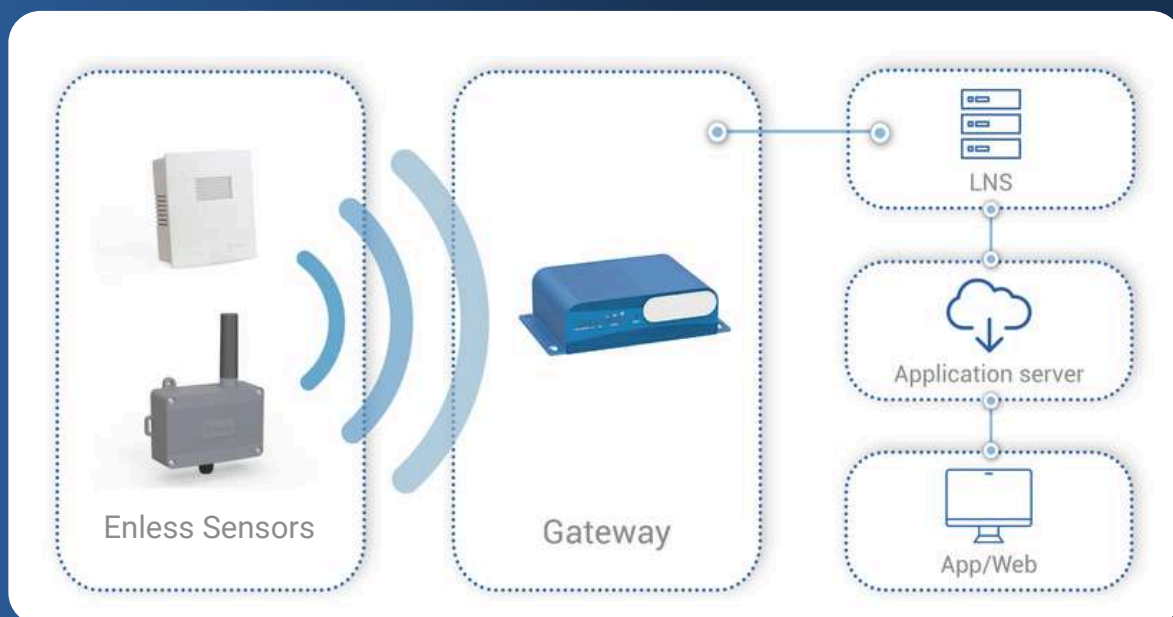
BECKHOFF

LoRaWAN Configuration

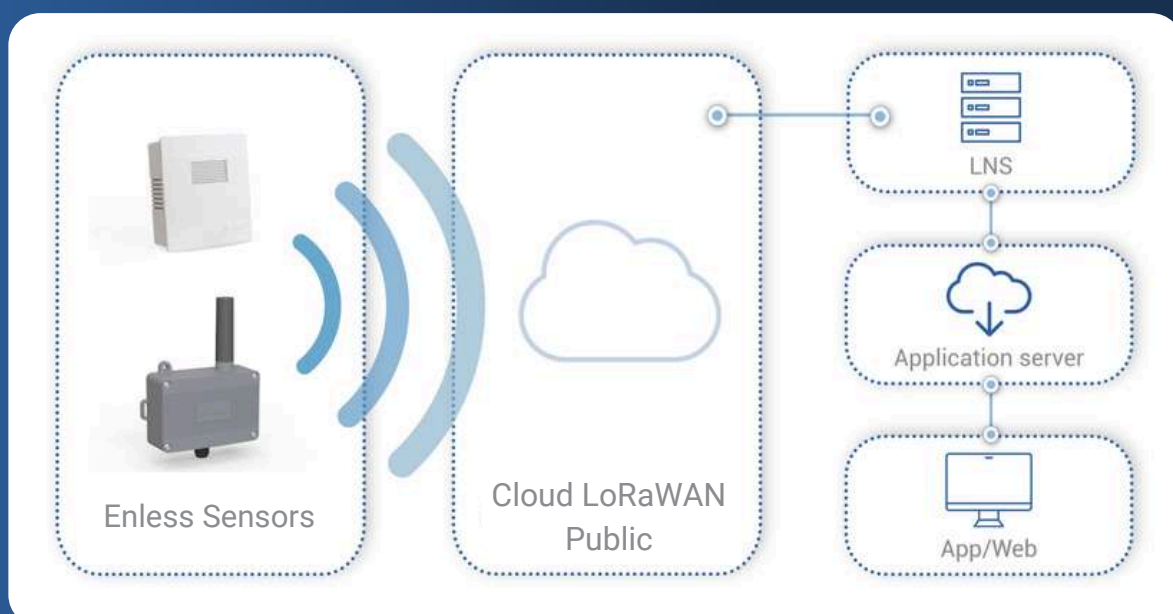
Enless sensors can also be utilized in LoRaWAN.

Enless sensors are capable of communicating in LoRaWAN mode as well. In a private LoRaWAN mode, data will be transmitted to a LoRaWAN gateway. In public LoRaWAN mode, they will transmit their data to a public LoRaWAN network.

Private LoRaWAN configuration



Public LoRaWAN configuration



Enless Wireless, a manufacturer of LoRa radio sensors designed for enhancing building comfort and energy efficiency.

A French manufacturer of wireless radio sensors committed to energy efficiency and building comfort since 2009, Enless Wireless specializes in Smart Building and IoT technologies.

Manufactured in France, Enless sensors cater to a clientele of BMS and HVAC integrators seeking a standalone and efficient radio solution to supplant conventional cable installation.



Get in touch with us



Access to our website.



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