OsiSense™ XZBW, universal wireless solution for sensors

New remote connection system, compatible with any type of sensor

Reduce your costs thanks to limited wiring for applications where the control system is separated from the sensor.

Reduced cabling and easy setup

This new accessory enables reduced cabling and is therefore dedicated to applications where wiring or wire maintenance is not physically or economically possible.

Easily programmable with two pushbuttons on the receiver.

Universal solution, compatible with the majority of sensors

Equipped with a universal M12 connector input, the XZBW solution is compatible with all PNP and NPN sensors and limit switches.
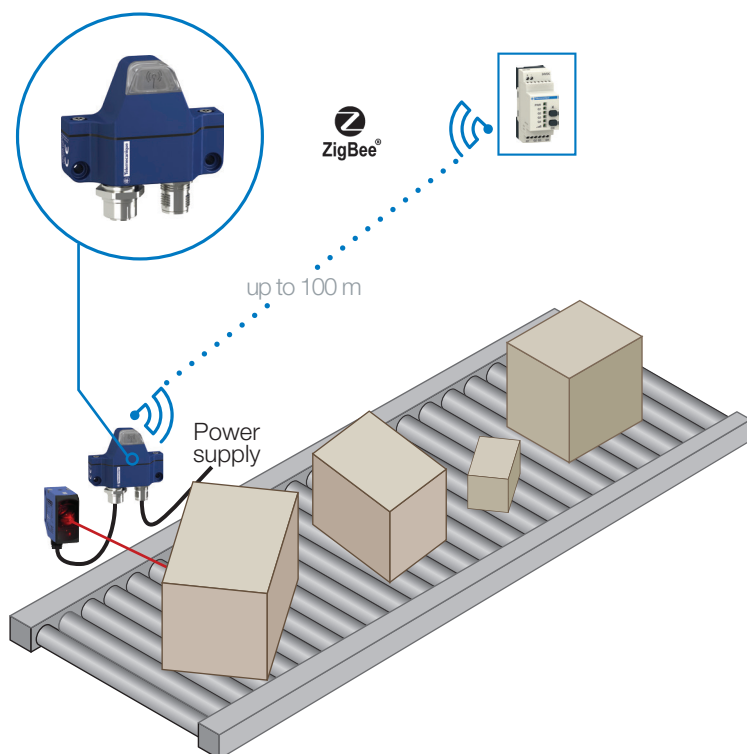
Reliable real-time detection

With its periodic status check and a patented diagnosis algorithm associated to the communication protocol ZigBee®, OsiSense XZBW is a very reliable solution and efficient error detection system.
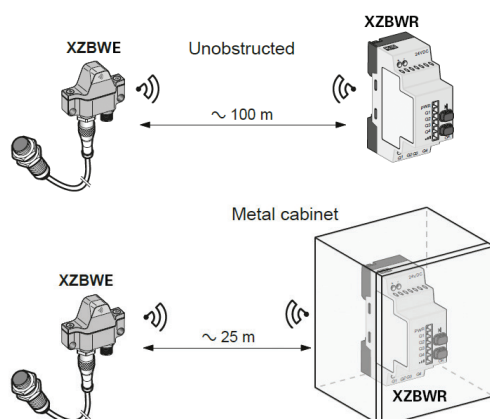
Simply easy!™

Telemecanique
Sensors

up to 100 m

Power supply

Benefits:

Reduced cabling and easy set-up

- Reduced cabling costs: only the sensor needs to be connected to the XZBW accessory. No cable needed from the transmitter to the receiver.
- Easy installation: only 2 pushbuttons for programming.

Reliable, real-time connection

- Proven-in-use ZigBee communication protocol.
- Real-time error detection.

Universal solution

- Compatible with PNP sensors and limit switches.
- Universal M12 connector input.

Characteristics

- 100 m free field radio distance; 25 m in industrial environment
- Two outputs per transmitter on the receiver
  - one output for sensor state
  - one output for communication monitoring
- Reserved to low-frequency applications (less than 0.5 Hz)
- Up to 2 transmitters associated to 1 receiver
- Operating temperature: -25 to +55 °C
- Response time: 30 ms
- Transmitter:
  - IP Protection: IP67
  - Input frequency: 0.5 Hz
  - Power supply: 24 Vdc
  - Response time: 30 ms
- Receiver:
  - IP Protection: IP20
  - Outputs: 2 + 2 PNP, 200 mA
  - Power supply: 24 Vdc

Unobstructed versus metal cabinet

XZBWE   Unobstructed   XZBWR
∼ 100 m

Metal cabinet

XZBWE
∼ 25 m

XZBWR

References

Description	Transmitter	Receiver
Product	XZBWE112A24	XZBWR2STT24

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