



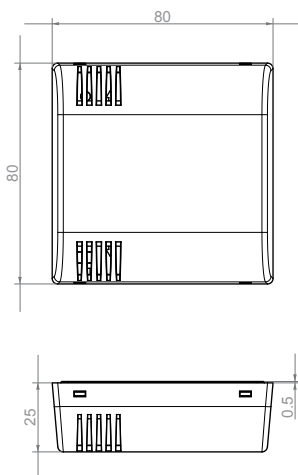
ORDER CODE	COMM. CODE
IWXN4	WSLR80TH-B



APPLICATIONS
Wireless Monitoring
Smart Building
Smart City
Accounting
Temperature regulation

CERTIFICATIONS
EN60730-1:2011. Automatic electrical controls for household and similar use.
EN60730-2:2011. Particular requirements for energy controllers.
EN60730-3:2011. Home and Building Electronic System HBES.
EN61010-1:2010. Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements.
EN61326-1:2012. Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements. For article 3.2 : Effective use of spectrum allocated. For article 3.1b : Electromagnetic Compatibility.
EN 300 220 - 1 V3.1.1
EN 300 220 - 2 V3.1.1
EN 301 489 - 1 V2.2.0 (2017-03)
EN 50581:2012 RoHS

ACCESSORIES
UNIT-WIR, LoRa seeder



Wireless Room Temperature - Humidity Probe

- BMS functions
- Suitable for professional use
- Standard LoRa® protocol

The IWXN4 wireless probes use the transmission technology required by the LoRa® standard, which guarantees extensive coverage with no need for signal repeaters. They are housed in a self-extinguishing UL 94 V0 ABS container suitable for indoor installation.

The IWXN4 probes implement BEACON mode, i.e. they are suitable for coupling with UNIT-WIR devices but cannot be used with IGW02 and IWMON receivers. The BEACON mode is intended for use at short distances to UNIT-WIR and is therefore factory-set with low power and spreading factor values (values can however be changed with LoRa Seeder).

The IWXN4 probes are powered by two user-replaceable standard ALKALINE batteries (1.5V AA) in series which typically guarantee a battery life of 15 years.

The probes do not perform data logging functions.

TECHNICAL CHARACTERISTICS

USER INTERFACE	Activation Reed, Led indicator
FASTENING	Wall-mounted with bottom plate on 2/4 points
ANTENNA	Helical built-in (2.4 dB gain)
OPERATING TEMPERATURE	-10 ... +65 (°C)
PROTECTION RATING	IP30
STORAGE TEMPERATURE	-20 ... +75 (°C)
CONTAINER MATERIAL	Self-extinguishing ABS UL 94 V0
POWER SUPPLY	2 × 1.5 V (AA) alkaline batteries 2500 mAh – Optional 1×3.6V
AUTONOMY	Up to 15 years (depending on the power and transmission interval)
RADIO FREQUENCY	868 MHz ISM band
TRANSMISSION POWER	2mW configurable with Seeder
T MEASUREMENT RANGE	-20 ... +70 (°C)
H MEASUREMENT RANGE	0-100%
T. MEASUREMENT ACCURACY	± 0.2 (°C) in the range 10–80 (°C)
H. MEASUREMENT ACCURACY	± 1.8% typical 3% maximum
SAMPLING	30 sec (configurable)
TRANSDUCER TYPE	Digital
TRANSMISSION INTERVAL	3 minutes (configurable)
RADIO DISTURBANCES	EN 61000-6/EN 55024:2010-11
CONSTRUCTION STANDARDS	CEI
CONNECTIVITY	Local wireless available for connection with configuration and data management software



LoRa® SEEDER

LoRa® Seeder is a software tool for configuring the **Intellienergy Tech® LoRa® Wireless Monitoring** system. It is compatible with Microsoft Windows 8® and Windows10® platforms and will soon be available on the LINUX platform. LoRa® Seeder lets users modify the operating configurations of all probe models (**temperature, humidity, brightness, level, VOC, CO2, 20WGI-Master Modbus, etc.**) using an accessory connected to the PC USB port (LoRa® Dongle).

Instead it connects directly via a USB port to **IGW0xx** receivers, making pairing operations between probes and receivers quick and easy and allowing automatic production of Modbus® register mapping documentation for System Integrators.

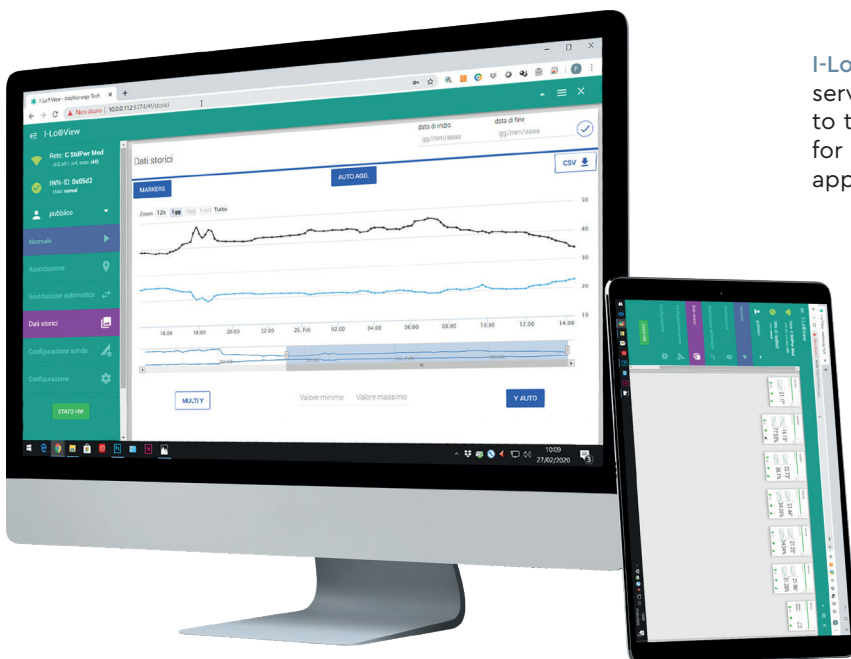
For receivers equipped with Data Logger functionality, Seeder allows data to be downloaded from the receiver and stored in its database, displayed graphically and exported in CSV format.



I-Lo®-View

Through the use of a **LoRa®** USB DONGLE (available as an accessory), **I-Lo®-View** transforms any Windows10® PC into a powerful data logger server, capable of managing all Intellienergy wireless probe models. It is possible to consult or manage the entire wireless system simply by using a Web browser (e.g. Chrome) on the same PC, or on any other fixed or mobile device (Smartphone, Tablet) connected to the same network.

Multiple users can connect simultaneously to **I-Lo®-View** and access both real-time and stored historical probe data, being able to compare multiple sensors at the same time. In addition to specific sensor data (temperature, humidity, brightness, VOC air quality, CO2 concentration, etc.). **I-Lo®-View** also displays and stores "service" data, such as communication quality and battery levels. If the user has administrator authorisations, he/she can also change the operating parameters of the probes (e.g. sensor sampling intervals and measurement sending intervals).



I-Lo®-View is installed in the Windows environment as a service and is therefore active even if no user is connected to the PC where it is installed. A version is also available for Linux (x86/x64/arm) that can be installed as a normal application.