THE WIRELESS POWER OF

PRODUAL PROXIMA

PRODUAL
measure-be sure.
MyCloud
- Backup your configuration files
- Download firmware update files
- Be ready for IoT demands

Configuration files backup

MyTool
Easy installation and configuration with modern commissioning tool

Commissioning and configuration

THE WIRELESS POWER OF
PRODUAL PROXIMA®

The wireless future is here. Our next-generation Produal Proxima® solution creates reliability for wireless measuring for a multitude of applications – from building automation to environment monitoring and IoT-applications.

Produal Proxima® is designed to be both tangle-free and future-proof, aiming to offer the most comprehensive and multifunctional wireless portfolio on the market.

Wireless Produal Proxima® is one of the first wireless MESH systems that can be fully operated with a battery. Its every transmitter acts simultaneously as a repeater, removing the need for external repeater units in the network. Utilising the latest wireless technology innovations, Produal MESH network ensures extreme reliability even in the most challenging radio environments. In addition, with external power supply, there is a possibility to run a wireless network with minimal latency in applications where speed is a high priority.

Wireless Proxima base unit (WBU) is the heart of the wireless Produal MESH network, supporting up to 100 wireless transmitters for a wide range of measurements and options, e.g. temperature, humidity, and CO₂. There are also products that can convert digital contacts, NTC10 temperature measurement and 0...10 V inputs to wireless messages, which allows for almost unlimited application possibilities.
Unparalleled reliability and scalability

Wireless interferences are a thing of the past

A self-healing Produal MESH network is the most energy-efficient way to ensure reliable data transfer, since every transmitter in a MESH network works as a repeater. In case of an interruption, the transmitters simply reroute communication through working nodes – thus keeping a steady connection at all times. Also, two-way communication ensures ultimate reliability with its smart message acknowledgement feature.

Wide network monitoring and supervising possibilities make the system extremely trustworthy.

- Scalable setup from small to large-sized installations.
- The best possible wireless connection
- A wider coverage area than ever before
- Transmitters working as repeaters extend the coverage.

Produal MESH network operates along with other wireless technologies in the building by dynamically using the best available communication frequencies. This patented technology minimises the likelihood of being interfered by or interfering with other wireless systems.

IMPROVED CONNECTION VIA PRODUAL MESH

1. Some transmitters detect a connection problem.

2. Produal MESH network technology enables them to find new routes to connect to the base unit.

MESH VS. POINT-TO-POINT NETWORK

- Point-to-point network
  - Base unit
  - Transmitters
  - Limited connection distance

- Mesh network
  - No need for worrying about maximum distance between the base unit and the utmost transmitter in the network.
Battery-powered freedom

The first fully battery-operated MESH network on the market

- No need for extra repeaters
- Energy efficient technology
- No need for external power supplies for routing nodes
- Ultra-low power consumption
- Battery lifetime up to 8 years
- Adjustable battery alarm set point
- Battery-operated transmitters with displays also available

Battery lifetime up to 8 years depending on measuring intervals and functions

Built-in options

- Temperature °C
- Adjustable poll interval
- Movement
- CO₂
- Humidity %rH
- Dew point

External measurements

- Dry contact
- Resistance
- NTC 10
- 0…10 V

Intuitive security

Presenting an easy-to-use tool for quick configuration and updates

By using the handy Produal MyTool® Android application, the entire wireless network can be configured and commissioned easily through your standard mobile device.

All the network messages between devices are encrypted in AES-128 level. Easy remote firmware updates allow time and money savings and ensure future-proof security.

THE MANY FUNCTIONALITIES OF PRODUAL MyTool®

- Network commissioning
- Network monitoring
- Signal scanning
- Finding the best possible transmitter installation places
- Device data monitoring
Stunning multifunctionality

A plethora of features to fully benefit system integrators

Operating in the globally accepted frequency 2.4 GHz, which is acknowledged in various environments, Wireless Producible Proxima® offers a broad gamut of possibilities and options for system integrators – including wide measuring possibilities, alarm and monitoring functions, and more. With base unit polling and/or transmitter change of value features, the system provides increased flexibility to network data collecting.
Our basic WTR – battery-operated wireless transmitter – includes temperature measurement, and offers a variety of different options, such as humidity measurement and display. There are two basic colours available: white (WTR) and black (WTRB).
WTR24 is a power supply operated wireless transmitter. The basic WTR24 includes temperature measurement, and offers a variety of different options, such as humidity and CO₂ measurement, and display. Most installations can use battery-powered devices, but wired versions can provide a fast frequency of measurements for applications where speed is a high priority. There are two basic colours available: white (WTR24) and black (WTR24B).

WTR-IM can be operated with a battery and/or power supply. The basic WTR-IM includes temperature and humidity measurement. WTR-IM supports three additional external measurements, such as NTC10 temperature, 0...10 V inputs, or digital input. There are two basic colours available: white (WTR-IM) and black (WTRB-IM).

Android application available for download via Google Play.
Produal is your reliable partner for high-quality building automation measurement and control. Wireless functionality is one of the fastest growing trends in the world – and this is also the case in building automation. Produal has been a pioneer in offering wireless solutions to this market since 2006. Now, the wireless future is here: our next generation Produal Proxima® solution is creating reliability for wireless building automation!

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