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LEAFLET

Produal Room transmitters-New degree of accuracy

Produal

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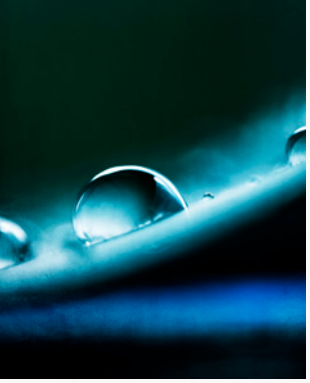
PRODUAL

Managing the invisible changes in room spaces

PRODUAL ROOM TRANSMITTERS

The next level of precision in room air management.

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When accuracy is non-negotiable

The importance of room transmitters is highlighted in spaces where total control of indoor climate is vital for operation. Produal's room transmitters meet even the strictest requirements of hospital and research facilities in terms of purity, humidity and air temperature.

Our new generation of room transmitters breathe the same air as the building

Building automation solutions for the needs of tomorrow

The need to make the invisible measurable created Produal. We wanted to give buildings the ability to sense, so we invented devices to measure and manage changing indoor conditions.

The demand to optimise the building ecosystem and to minimise costs and environmental impact guides us. In cooperation with our partners, we make the invisible visible and give extra years to the life cycle of buildings – doing our share of creating a sustainable world.

Manufactured in Finland, distributed globally with local customer service

We have developed and manufactured devices for building automation and the HVAC industry for almost four decades. Our deep understanding and long experience of all phases of buildings' life cycles enables us to offer five year warranties on all of our devices.

Our experts are commited to help our customers in building automation projects, all the way from planning to installation and maintenance.
This is possible due to our local presence and our comprehensive worldwide network.



Produal's revolutionary accurate room transmitter technology allows you to measure and manage indoor climate as a whole and avoid reacting to temporary changes.

One device to detect and measure all aspects of indoor air with the highest precision:

Temperature | CO_2 | Humidity | Movement PIR | VOC

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Reading a building’s pulse

In shopping malls, railway stations and other large facilities, operational cycles differ according to various factors, such as opening hours and outdoor circumstances. Optimising building performance and meeting regulation demands, as well as taking into account budget, people and planet, is a difficult balance. Produal's room transmitters offer reliable and accurate data to match the requirements of reporting regulations and a management tool for daily optimisation.

Our new degree of accuracy: ±0.3 °C



Produal's patent-pending technological solution, combined with new design and proven technology, minimises costs and environmental impact, maximises comfort and extends buildings' life cycles.

The RTX SERIES is the right solution when total control of life cycles and the best possible indoor climates are required.
The RTX series provides versatile built-in features and wide connectivity options,fulfilling even the most strict regulations.
LEED certification (ANSI/ASHRAE Standard 62.1-2022) · BREEAM certification · RESET grade B · WELL Building Standard® (WELL v2™).

Wide connectivity
Built-in support for flexibility and seamless integration with existing or new devices and systems. Up to 4 analog, freely configurable 0...10 V voltage outputs.
Modbus RTU or BACnet MSTP communication.

Maximum energy efficiency and comfort
Built-in P, PI controller and MAX control function facilitate standalone control for VAV systems and a range of cooling and heating applications.

Expandable sensing
NEW TECHNOLOGY
Universal input enables connecting external transmitters and sensors to broaden your monitoring and control capabilities.

Visual indicators
Stay informed about the status of the system at a glance with an RGB LED, or use the light guide option to indicate the air quality of the space.

Relay functionality
Integrate and control other devices directly with the 24 V and 1 A relay options - make building automation more coherent and unified.

Ease of configuration
A Bluetooth dongle allows management and configuration of settings over Bluetooth with the MyProdual app (Android and iOS).

Life cycle integration
MyProdual platform offers a comprehensive life cycle view of every device's data – from the design phase to daily maintenance.

RT SERIES room transmitters are a streamlined solution for reliable temperature and CO_2 monitoring.

Choose the right device
Find more detailed information:
scan the code or visit: produal.com

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When comfort and wellness count

Healthy indoor air is invaluable in places where many people meet – schools, libraries and other public spaces. The urban environment exposes us to pollution and harmful particles. VOCs may have short and long-term adverse health effects. Concentrations of many VOCs can be up to ten times higher indoors than outdoors. The sensors of Produal's room transmitters sense the changes in VOC and CO_2 levels and maintain stable and pure indoor air.

Accuracy, stability and connectivity throughout the life cycle



"Our R&D is driven by the desire to create more user friendly and energy efficient devices to serve our customers' needs in different building ecosystems."

ANTTI SALLI, PRODUCT MANAGER



"Our R&D studies adjustment solutions. We collect data to improve software that allows us to optimise sensors."

"Produal's latest generation of room transmitters is equipped with new sensors that allow the device to react to the changes of air surrounding it. Unusual airflow that cools the device can be detected, so that the measurements are compensated for increased accuracy. Minimising measurement errors translate directly to savings in energy consumption, as unnecessary heating or cooling is avoided."

Accuracy and safety

"Information security is taken into account with updatability and distributed I/O as well as operating logic designed to run independently if necessary. When an RTX device is installed or adjusted, it's connected to the cloud via a Bluetooth dongle. When the dongle is removed, the transmitter works independently. Remote usage and configuration are secured in our network, and the needs of information security are considered in the hardware of all our devices."

Easy to install, configurate and maintain throughout the life cycle

"The guiding star of our design is user experience, at every contact point. Our devices are known to be extremely easy to install and this has also driven our digital development work."

The MyProdual app is designed for the configuration and management of your field devices. Users can effortlessly manage installation projects and utilise ready-made installation configurations.

The MyProdual life cycle platform provides the life cycle information and maintenance data of each device.

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PRODUAL

We manage the invisible. Together.

Produal develops and produces user-friendly measurement and control devices for building automation and the HVAC industry. We make invisible changes visible and measurable, doing our part to develop intelligent and sustainable buildings with our customers.

Join the discussion: **#BuildingPerformance**

linkedin.com/company/produal

https://www.youtube.com/ProdualGroup

www.produal.com

Managing the indoor climate throughout the life cycle

Air
Temperature
Pressure
Air quality
Air velocity
Air flow
Humidity

Liquid
Temperature
Pressure
Condensation
Leakage
Frost
Water
Glycol

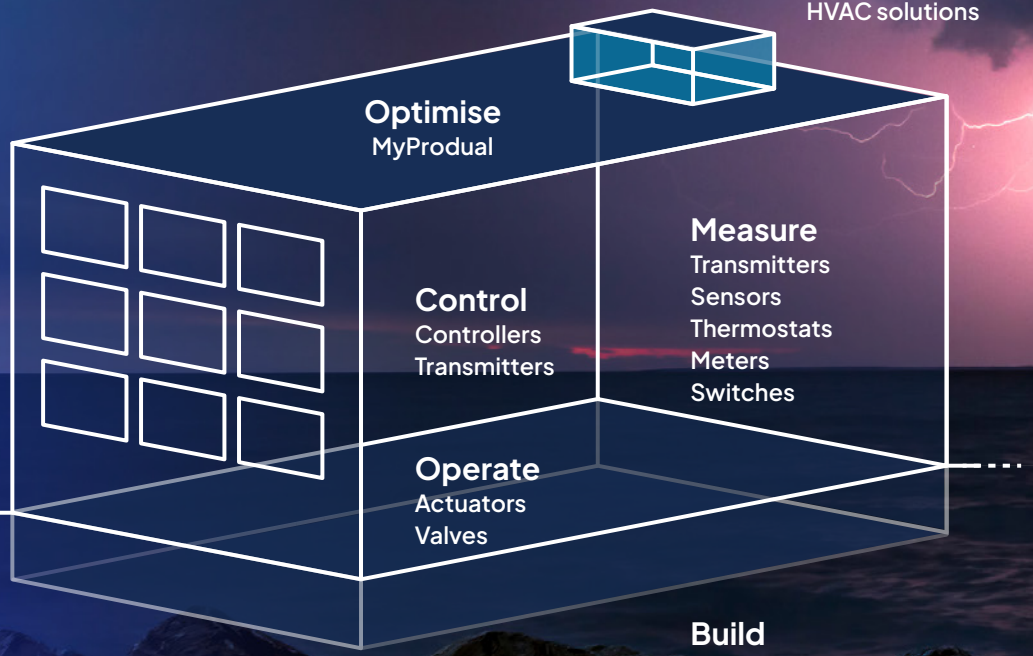
Light & weather
Light intensity
Illuminance
Wind speed
Rain

Presence
Movement
Occupancy

On
Duct
Structure
Room
Exterior

By
Wireless/Wired
Modbus
BACnet
Analog

For
Heating & cooling
Ventilation & comfort
Energy efficiency
Risk control



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