thermokon®

HOME OF SENSOR TECHNOLOGY

MADE IN GERMANY

novos

THE NEW ROOM SERIES BY THERMOKON®

NOVOS Touch

NOVOS 7

NOVOS 5 x Design　NOVOS 3 x

NOVOS 5 Design　NOVOS 3

novos

The uniform design of the "NOVOS" series with various configuration options and the smart enclosure, which is especially targeting design-oriented applications, underlines that NOVOS meets highest customer demands.

The flat fingerprint insensitive cover offers possibilities to adopt the wall design by choosing a custom coloured cover film.

The portfolio of room units and sensors can be applied to various applications for modern building automation by detecting temperature, humidity, CO2 or VOC gases to control room air conditioning, brightness and shading.

NOVOS Touch / NOVOS 7

» Controlling room climate, lights and shutters

» Individually configurable scenes

» Up to four integrated sensors (temperature, relative humidity, CO2 and VOC)

» Clear visualization of values with trends and traffic light indication

» **NOVOS Touch**: 4,8" Touchscreen, glass surface

» **NOVOS 7**: 3,5" TFT display, push-and-rotary switch, four user defined buttons

» RS485 Modbus interface

NOVOS 5 x / 3 x

» Integrated temperature sensor

» Outputs: passive, 0..10 V, 4..20 mA or RS485 Modbus

» Setpoint adjuster, rotary switch and button with integrated RGB LED

» Optionally with RGB display

» Optionally with design film (aluminium or black)

NOVOS 5 / 3

» Measuring of: temperature, relative humidity, CO2 or VOC

» Outputs: passive, 0..10 V, 4..20 mA or RS485 Modbus

» Optionally with RGB display

» Optionally with design film (aluminium or black)

passive | 0..10 V | 4..20 mA | Modbus

» Discover NOVOS online!
www.thermokon.de/en/product-highlights/novos

www.thermokon.com

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NOVOS Touch

Thanks to the high-resolution 4.8" touch screen and its precious glass surface, "NOVOS Touch" is the highlight among the new room operating units of Thermokon. The intuitive smartphone-like touch interface is easy to operate and provides status messages in the display as well as a dashboard to view all values in one.

Moreover, "NOVOS Touch" provides up to four integrated sensors, that enable the simultaneous detection of temperature, humidity, CO2 and VOC.
The control of blinds is comfortable by simple up/down commands, venetian blind adjustments or precise blind positions by slider elements.

In addition to numerical values the range of value can be indicated by traffic light function. Furthermore, floor plans can be uploaded to easily control peripherals. The RS485 Modbus interface is perfectly enhancing the capabilities of the new NOVOS Touch.

ADVANTAGES AND HIGHLIGHTS

» Intuitive and comfortable user interface to control room climate, lighting and shading

» Individual scenes can be defined and called

» Integration of up to four sensors in one device (temperature, relative humidity, CO2 and VOC)

» ECO mode for an energy-efficient room control

» Clear visualization of values with trends and traffic light indication

» High-resolution 4.8" touch screen with a real glass surface

» Digital input for external devices/sensors

» RS485 Modbus interface

NOVOS 7

A majority of the features integrated in the NOVOS Touch are also available for the NOVOS 7 – the second landmark room unit within the NOVOS family.

The powerful room unit with a 3.5" TFT display impresses with an easy-to-navigate user interface by means of a push-and-rotary switch. In addition four configurable touch buttons allow quick access of frequently used functions or scenes.

ADVANTAGES AND HIGHLIGHTS

» Intuitive and comfortable user interface to control room climate, lighting and shading

» Individual scenes can be defined and called

» Integration of up to four sensors in one device (temperature, relative humidity, CO2 and VOC)

» Clear visualization of values with trends and traffic light indication

» Push-and-rotary switch for an intuitive menu navigation

» Four configurable touch buttons

» High-quality 3.5" TFT display

» RS485 Modbus interface

noVos
5 x / 3 x

NOVOS 5 x / NOVOS 3 x

Room units with a neat design and haptics. Main functionalities required in the efficient building automation are available by means of temperature setpoint adjustment, rotary switch for fan stage adjustment and presence button with an integrated RGB LED for status indication.

The optional RGB display offers a better visualization of measured values and indicate the status in case values have exceeded a defined threshold. All devices are available either with a passive output, 0..10 V signals, 4..20 mA live-zero signals or a Modbus interface.

Further, all NOVOS products can be customized by means of a design film (aluminium or black) and complement the numerous possibilities with NOVOS 5 x and NOVOS 3 x.

ADVANTAGES AND HIGHLIGHTS

» Integrated temperature sensor

» Outputs: passive, 0..10 V, 4..20 mA or RS485 Modbus

» **NOVOS 5 x:**
  Setpoint adjuster, rotary switch and integrated LED-button. Optionally equipped with an RGB display.

» **NOVOS 3 x:**
  Setpoint adjuster and integrated LED button

» Optionally available with design film (aluminium or black)

Modbus

Temp (°C)
21.5

thermokon®

noVos
5 / 3

NOVOS 5 / NOVOS 3

NOVOS 5 and NOVOS 3 complement the new room unit series for a reliable and precise measurement of all values required for an efficient room automation. Sensors available for the NOVOS family comprise temperature, relative humdity, CO_2 and VOC.

By means of the optional RGB display, the NOVOS 5 can provide an immediate indication in case thresholds have been exceeded as well as displaying status messages. The NOVOS 3 is able to indicate threshold exceedance by changing colours (red, yellow, green) in the LED button (RGB) for example for monitoring CO_2 or VOC levels.

Based on individual preferences, the NOVOS family can be customized with different design films and specified with common signals such as RTDs, 0..10 V or 4..20 mA signals as well as an RS485 Modbus interface.

ADVANTAGES AND HIGHLIGHTS

» Different versions available for measuring temperature, relative humidity, CO_2 and VOC

» Outputs: passive, 0..10 V, 4..20 mA or RS485 Modbus

» Freely configurable threshold values via Modbus or NOVOSapp

» **NOVOS 5:**
RGB display with traffic light indication for status feedback

» **NOVOS 3:**
Optionally available with traffic light indication via RGB LED for types with CO_2 and VOC

» Optionally available with design film (aluminium or black)

Modbus

CO2	(ppm)	VOC	(%)
	540		23
rH	(%)	Temp	(°C)
	45		21.5

FLAT FORM FACTOR

SPACERS FOR A THERMAL DECOUPLING FROM SURFACES

MICRO-USB CONNECTOR FOR CONFIGURATION VIA NOVOSapp

LARGE VENTS FOR AN OPTIMIZED AIR FLOW INSIDE THE ENCLOSURE

INTEGRATED CHANNEL FOR TEMPERATURE SENSITIVE SENSORS
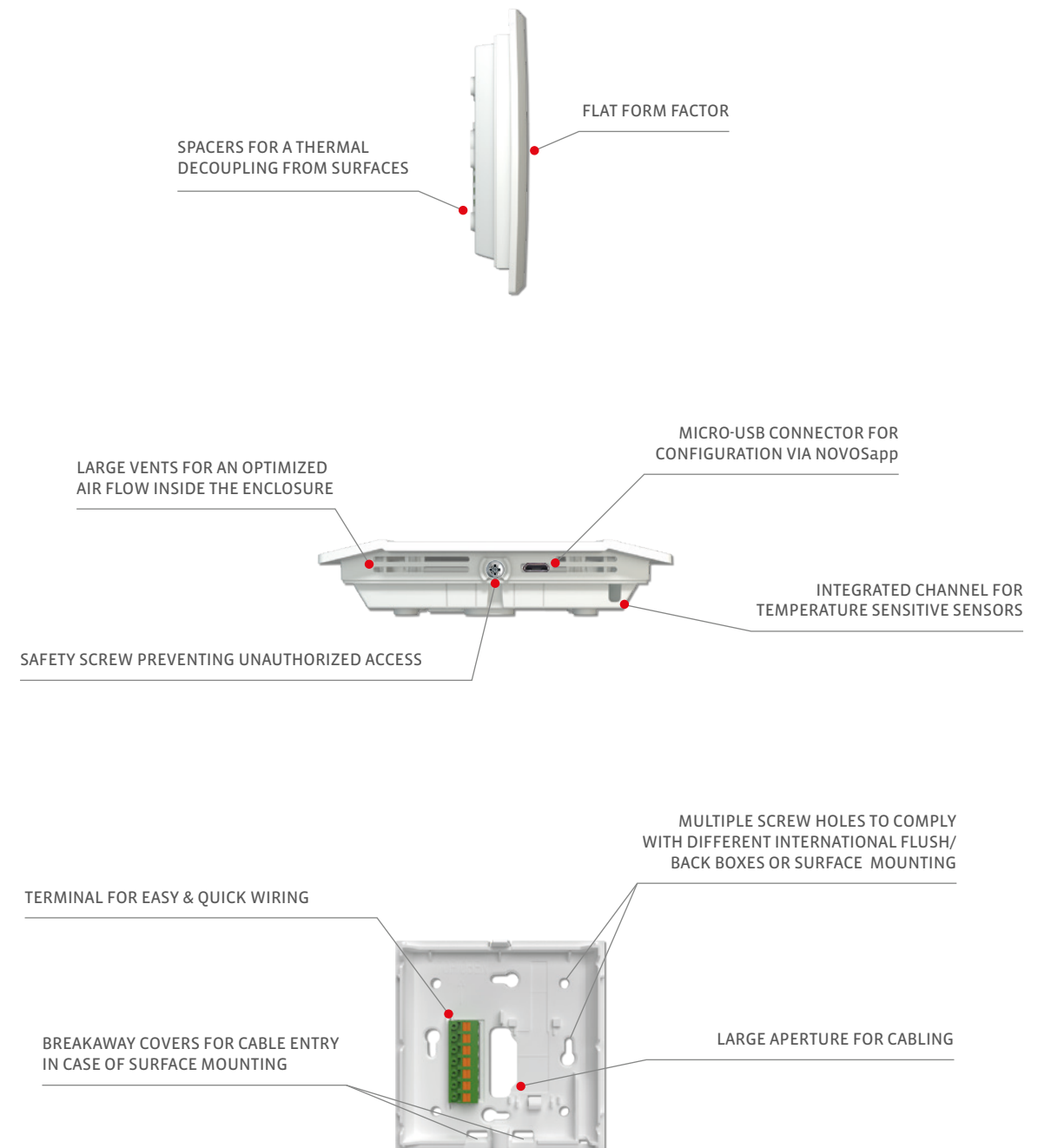
SAFETY SCREW PREVENTING UNAUTHORIZED ACCESS

NOVOSapp

Although every NOVOS will come with a standard configuration that matches the majority of typical applications in room automation, the devices can be further customized with an individual configuration to suit also complex applications by means of the new NOVOSapp, which also simplifies the integration.

Additionally, each device can be customized post-integration to further extend the functionality to suit new requirements – from changing measuring ranges to setting maintenance intervals, adjustment of offset values or adjusting thresholds for the traffic light indication.

The communication between the NOVOS devices and a mobile end device is enabled by a Bluetooth dongle, that is connected temporarily to the device.

FUNCTIONS

» Individual configuration of output signals

» Adjustment of display features and values

» Parameterizing the traffic light indication for sensor values and thresholds

» Setting individual measuring ranges and maintenance intervals

» Parameterization of live-zero signals (e.g. 1..10 V etc.)

» Subsequent setting of offset values to compensate external temperature influencing factors

» Communication via Bluetooth® Low-Energy module (pluggable, compatible with USE devices as well)

» Modbus address offset (extendable up to 247 addresses)

MULTIPLE SCREW HOLES TO COMPLY WITH DIFFERENT INTERNATIONAL FLUSH/ BACK BOXES OR SURFACE MOUNTING

TERMINAL FOR EASY & QUICK WIRING

BREAKAWAY COVERS FOR CABLE ENTRY IN CASE OF SURFACE MOUNTING

LARGE APERTURE FOR CABLING

LARGEST PROJECT:
OVER **13.000** DEVICES

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UNIVERSITY OSLO
OSLO, NORWAY

FONDATION LOUIS VUITTON
PARIS, FRANCE

GENERALI I, HEADQUARTERS
TRIESTE, ITALY

STAR ARCTIC HOTEL
SAARISELKÄ, FINLAND

TOMSON RIVIERA APARTMENT TOWERS
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