

thermokon®

HOME OF SENSOR TECHNOLOGY



novos

THE ROOM OPERATING UNITS BY THERMOKON®





NOVOS Touch



NOVOS 7



NOVOS 5 x Design



NOVOS 3 x (EPD)



NOVOS 3 SR CO2

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

The flat cover offers possibilities to adopt the wall design by having multiple colours available (white, anthracite, aluminium) or the combination thereof with different design covers.

The portfolio of room units and sensors can be applied to various applications in 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)
- » 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 customisable touch buttons
- » Interfaces:
BACnet MS/TP, Casambi, KNX or RS485 Modbus

NOVOS 5 x / NOVOS 5

- » Up to four integrated sensors (temperature, relative humidity, CO2 and VOC)
- » Outputs:
passive, active (0..10 V | 4..20 mA), BACnet MS/TP or RS485 Modbus
- » **NOVOS 5 x:**
Available with setpoint adjuster, fan stage adjustment and/or button with integrated RGB LED
- » **NOVOS 5 x:**
Optionally available with RGB display

NOVOS 3 x / NOVOS 3

- » Up to four integrated sensors (temperature, relative humidity, CO2 and VOC)
- » Outputs:
passive, active (0..10 V | 4..20 mA), BACnet MS/TP or RS485 Modbus
- » Available with EnOcean® or LoRaWAN® radio interface
- » Optionally available with ePaper display (EPD)
- » **NOVOS 3 x:**
Available with setpoint adjuster and/or button with integrated RGB LED

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Touch

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 positioning 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 different BUS interfaces are perfectly enhancing the capabilities of the new NOVOS Touch.

ADVANTAGES / 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
- » Values with trends and traffic light indication
- » High-resolution 4.8" touch screen with a real glass surface
- » Digital input for external devices/sensors
- » Interfaces:
BACnet MS/TP, Casambi, KNX or RS485 Modbus





novos 7

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 / 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)
- » 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
- » Interfaces:
BACnet MS/TP, Casambi, KNX or RS485 Modbus





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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 LCD with a colour feedback offers a better visualisation of measured values and indicates 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 different BUS interfaces.

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

ADVANTAGES / HIGHLIGHTS

- » Up to four integrated sensors (temperature, relative humidity, CO2 and VOC)
- » Outputs: passive, active (0..10 V | 4..20 mA), BACnet MS/TP or RS485 Modbus
- » **NOVOS 3 x:**
Available with EnOcean® or LoRaWAN® radio interface
- » **NOVOS 5 x:**
Setpoint adjuster, fan stage adjustment and/or button with integrated RGB-LED, optionally available with RGB display
- » **NOVOS 3 x:**
Setpoint adjuster and/or button with integrated RGB-LED, optionally available with ePaper display (EPD)





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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 humidity, CO2 and VOC.

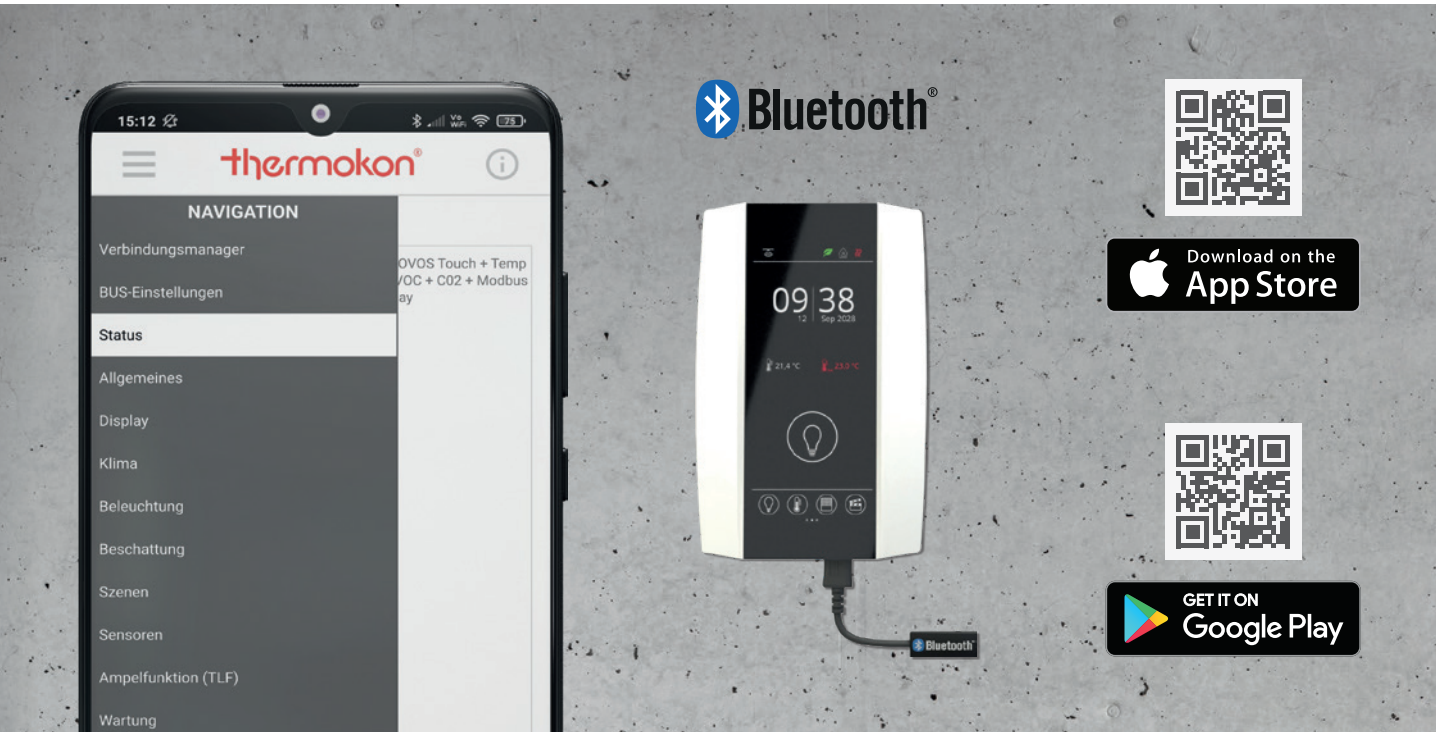
By means of the optional RGD LCD display, the NOVOS 5 can provide an immediate indication in case thresholds have been exceeded as well as displaying status messages. The NOVOS 3 is able to indicate threshold exceedance by changing colours (red, yellow, green) in the LED button (RGB) for example for monitoring CO2 or VOC levels.

Based on individual preferences, the NOVOS family can be customised with different design covers and specified with common signals such as RTDs, 0..10 V or 4..20 mA signals as well as different BUS Interfaces (BACnet, KNX RS485 Modbus) or EnOcean wireless.

ADVANTAGES / HIGHLIGHTS

- » Up to four integrated sensors (temperature, relative humidity, CO2 and VOC)
- » Outputs: passive, active (0..10 V | 4..20 mA), BACnet MS/TP or RS485 Modbus
- » **NOVOS 3:**
Available with EnOcean® or LoRaWAN® radio interface
- » **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 CO2 and VOC, optionally available with ePaper display (EPD)





NOVOSapp

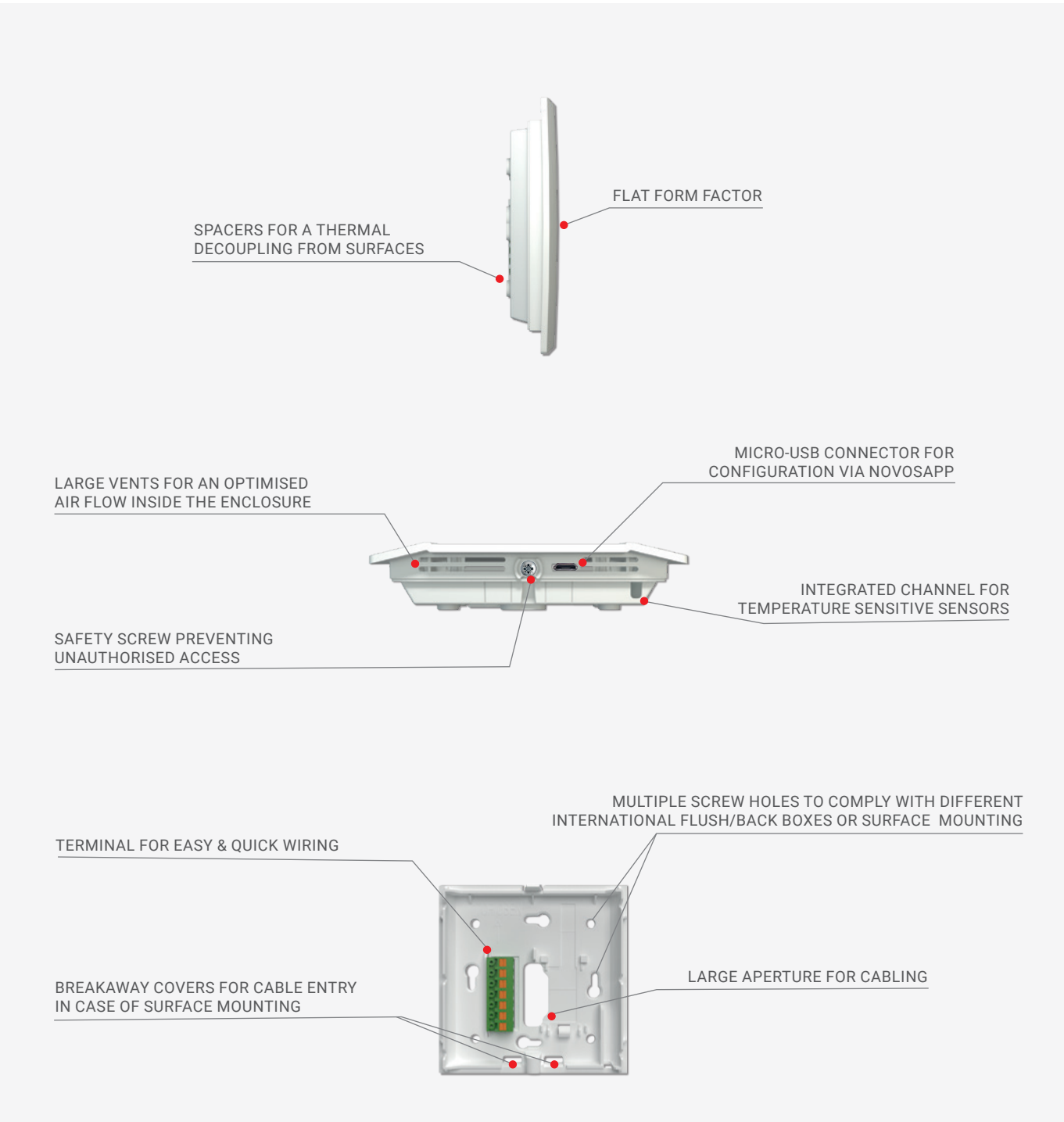
Although every NOVOS will come with a standard configuration that matches the majority of typical applications in room automation, the devices can be further customised with an individual configuration to suit also complex applications by means of the new NOVOSapp, which also simplifies the integration.

Additionally, each device can be customised 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
- » Parameterising the traffic light indication for sensor values and thresholds
- » Setting individual measuring ranges and maintenance intervals
- » Parameterisation 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 (BLE dongle, compatible with USE devices as well)
- » Modbus address offset (extendable up to 247 addresses)



REFERENCES



EUROPEAN CENTRAL BANK
FRANKFURT, GERMANY
MORE THAN 13.000 DEVICES



HAMAD INTERNATIONAL AIRPORT
DOHA, QATAR



STAR ARCTIC HOTEL
SAARISELKÄ, FINLAND



SHELL GLOBAL HEADQUARTERS
THE HAGUE, NETHERLANDS



PRIME TOWER
ZURICH, SWITZERLAND



SHEIKH ABDULLAH AL SALEM
CULTURAL CENTER, KUWAIT CITY



FAIRMONT HOTEL FOUR SEASONS
HAMBURG, GERMANY



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OSLO, NORWAY



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