

# ABB enhances its KNX range functionality

Frankfurt, March 13, 2016 – ABB, a global leader in power and automation, enhanced the product portfolio of its KNX range. ABB offers now comprehensive solutions including security with movement detectors; the right balance between heating and cooling with room temperature controller; fresh air from a new CO<sub>2</sub> air sensor; and push-button connection. The complete product portfolio is introduced in Germany, Austria and the Netherlands under the Busch-Jaeger brand – a member of the ABB Group – and offers an optimum range of possibilities in commercial buildings.

## Room temperature controller with 5gang universal input

The room temperature controller is supplied with a flush-mounted universal input and is used with a 'self-aligning rocker switch'. The advanced product is able to precisely control both heating and cooling for maximum comfort. The special highlight: The universal input features a maximum five potential-free binary inputs, of which one can be selected as an analogue input and two inputs can be used for a temperature sensor input contact. This gives you the option of connecting up to 5 standard switches/buttons on the flush-mounted device, to control dimmers, blinds, switching sequences or scenes, for example.

Connection to the 5gang universal input is with a 6gang screw/plug terminal. This ensures simple installation of the devices/sensors to be connected to the flush-mounted application. All system components are rapidly assembled, reducing installation costs.

## Additional installation device: Busch-CO<sub>2</sub> sensor with multifunction elements

ABB has launched another innovative solution to ensure to have just the right amount of fresh air with its Busch-CO<sub>2</sub> sensor. This can also be integrated in a KNX installation. Especially in places where people congregate – for example in meetings, conferences and classrooms – the CO<sub>2</sub> concentration in the air should not exceed 1000 ppm. Good ambient air quality is now guaranteed with a ventilation system, controlled by the new CO<sub>2</sub> sensor from ABB.

The new Busch-CO<sub>2</sub> sensor not only measures CO<sub>2</sub> concentration in the air, but also humidity, air pressure and temperature. All four values are shown on the display and are also available on the KNX bus. Upper and lower limits for CO<sub>2</sub> and humidity can be configured via the associated application. The configured upper/lower limits are made available to the KNX bus for additional use.

## Approved movement detectors and push-button connection

The innovative and high quality movement detectors from ABB make life even more comfortable. They are not only observant, helpful and efficient, but also can automatically manage a range of tasks in all building areas. The push-button connection features an RGB LED per rocker switch to illustrate the ABB color concept. The integrated temperature sensor accurately records the actual temperature in the room. The range also features a comprehensive functional application program. The cover plate from **ABB-free@home**<sup>®</sup> are used as rocker switches.

The entire KNX product range can be combined with ABB/Busch-Jaeger light switch ranges **f u t u r e**® linear, **Busch-axcent**®, **s o l o**®, **c a r a t**®, Busch-Duro 2000® SI and Reflex SI.

## Product advantages

- Complete range of operating devices from movement detectors to room temperature controller
- Measure CO<sub>2</sub> and humidity content with integrated room temperature controller
- Connection options for additional sensors
- External temperature sensor can be installed
- Up to 5 standard switches/buttons can be connected to the flush-mounted device via binary inputs
- New in the program: Busch-CO<sub>2</sub> sensor

ABB ([www.abb.com](http://www.abb.com)) is a leading global technology company in power and automation that enables utility, industry, and transport & infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 135,000 people.



Busch-CO<sub>2</sub> sensor from the **f u t u r e**® linear light switch range.

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