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KNX RF: A NEW ERA FOR SAFE WIRELESS APPLICATIONS

Versatile in use and all-round security in combination with KNX Secure

BRUSSELS, 27 SEPTEMBER 2018 – With “Linky”, France is currently heralding a new era of wireless building networking on a grand scale. The ambitious project aims to modernise over 30 million households nationwide with smart meters. By 2020, 95 percent of electricity meters are set to be digitalised. The KNX RF standard is used here. This is not only a technological leader in the field of wireless networking of buildings. Thanks to the possibility of a complete implementation of KNX Secure, it also offers the best possible protection of the highly sensitive data transmitted wirelessly from the smart meters. This is ensured by ISO 18033-3 standardised security algorithms and the internationally recognised CCM encryption according to AES 128.

“KNX has its finger on the pulse of the times with KNX RF”

In any case, the demand for wireless applications in the smart home and building sector is constantly increasing, which is why KNX is constantly working on the further development and optimisation of wireless signal transmission. KNX RF offers a solution that is a simple but intelligent addition to wired building networking without compromising interoperability. Here, too, ETS ensures the optimum operation of KNX-certified devices. “KNX has its finger on the pulse of the times with KNX RF. Because the demand for intelligent building networking is constantly increasing. Never before has it been so easy to wirelessly implement smart devices in existing buildings”, explains Franz Kammerl, President of the KNX Association.

Wide range of KNX RF products

At Light + Building 2018 in Frankfurt, numerous new KNX RF devices were presented, demonstrating the many possibilities of wireless communication: from a motor control unit for shading or window drives to remote controls, media couplers or push-buttons. Whether as a hand-held transmitter, wall transmitter, flush-mounted or universal interface - KNX RF offers a whole range of options. Thanks to numerous different carrier frequencies that do not influence each other, the number of radio transmitters and receivers is not subject to technical restrictions.

KNX RF also available as an energy self-sufficient solution

Radio-based building control with KNX can also be carried out completely independently of batteries. This is demonstrated by the energy self-sufficient solution from KNX RF. Here too, the individual devices can be tailored to the individual needs of the user without changing the basic structure of the building. For example, touch modules can be easily attached to modern glass



Smart home and building solutions.
Global. Secure. Connected.



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wall structures. A decisive advantage is the simple configuration of the modules directly in the ETS, so that the parameters can then be loaded into the devices via radio.

PHOTO MATERIAL

Printing of pictures permitted

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Picture
KNX RF: The wireless standard in the smart home and building sector

About KNX

KNX Association is the creator and owner of the KNX technology – the worldwide STANDARD for all applications in home and building control, ranging from lighting and blind control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, smart metering as well as household appliances, audio/video and many more. KNX provides a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system and easy



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PRESS RELEASE

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mode). KNX is approved as a European (CENELEC EN 50090 and CEN EN 13321-1) and an International standard (ISO/IEC 14543-3). This standard is based upon 28 years of experience in the market. Over 400 member companies worldwide from different application domains have more than 7000 KNX certified product groups in their catalogues. The KNX Association has partnership agreements with nearly 75,000 installation companies in 164 countries.

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