



The worldwide STANDARD for home and building control

Press release

New KNX Solutions presented at ISH 2015

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Green Technology for Home and Building Control

Frankfurt, 10th of March 2015 – KNX, the worldwide STANDARD for home and building control, will be present at the most important Trade Fair for HVAC in Europe, the ISH fair. On this occasion KNX will have a booth of 150 m². The focus of the booth is on the KNX city concept and ETS5. A special area of the booth is foreseen for KNX Training. There are also 10 KNX Members, Professionals and training centres presenting their own solutions at the KNX booth. These include EMT Controls, function Technology AS, ise GmbH, Siemens AG, Sinapsi srl, tci GmbH, Warema Renkhoff SE, DIAL, TÜV International GmbH and KNX Professionals Germany. Additionally, a joint-solution between KNX & Opentherm will be shown at the stand. Over 60 KNX Members are also present with a booth at the fair. Visit KNX at the booth 10.3 / A49.

EMT controls, Turkey

HCM115-2 and HCM115-4 are new members of the DALI - KNX gateways by EMT Controls. These devices can target big applications such as shopping centres, hotels and airports. They provide 2 and 4 DALI channels, 128 and 256 ballasts respectively. It is easy and reliable solution to use KNX as backbone for the automation and control the ballasts using the DALI bus. Bonus: HCM115 series has built-in USB port, so no need for DALI-USB cables during commissioning and trouble-shooting.

GuestComfort Eco, the next generation hospitality energy saving solution, removes and supersedes traditional card holding energy saver relays. With programmable energy saving scenarios, it emphasizes HVAC automation and maintains higher level of comfort. Its design allows installation both in new constructions and existing buildings. With the KNX based on-line interface check-in / check-out scenarios can be implemented, real-time occupancy information can be used to tailor room services and hotel staff task plans. Compatible with card holders and EMT Controls patented RealPresence+® thermal based occupancy sensor.

ise GmbH, Germany

From all other the world, you may now access securely your KNX installation and perform maintenance, or access web pages. Up to know, you could use either VPN (significant configuration effort) or Port Forwarding (absolutely unsecure). The easy-to-use and secure solution provides the „ise smart connect KNX Secure“. No costly setup of the Internet router or DynDNS account is required. Web pages can be accessed easily with any browser. For remote maintenance, use the Secure Device Access Client and you have immediate access to your KNX installation with ETS, or to your HomeServer with the HS Expert – working without any problems also via LTE / 3G.

ise smart connect KNX SONOS integrates up to five SONOS master devices/groups with dynamic zone management into the world of KNX. Up to five slave devices can be linked with each of the five master devices.

Features:

- Full play control of play lists (play, stop, pause, next, previous, select play list via index)
- Title, artist, and album with ticker functionality accessible on KNX text objects
- Individual volume control of masters, slaves, and zones
- Dynamic zone management for up to five zones with one master and up to five slaves via KNX objects.
- Playback of music stored on an SD-Card accessible directly within the ise smart connect KNX Sonos
- Supports ETS version 4.2 resp. 5.0.2 or higher

Siemens AG, Germany

The IP Control Center offers a customizable user interface and therefore enables an intuitive, fully graphical visualization of a KNX system via Internet devices. Powerful application modules like the annual switching program, scene and event control, logic functions and an alarm module are integrated with email notification. With the firmware V2.0.0, the number of data points is increased to 1250. In addition, a smart editor for fast and intuitive visualization solution for smart phones is available. New controls have been implemented.

The KNX presence detector and KNX brightness control are designed for flexible ceiling mounting in a flush-mounted device box, surface-mounted or with spring clip in the drop ceiling. The detection range is up to an average of 14 m at 5 m height. Up to 5 light groups can be regulated with the integrated constant light controller, where the determination of the control characteristic is automatic. Various functions such as lighting, sun protection and HVAC can be controlled by 3 independent outputs. The programming button can be activated with the device installed or with the IR remote control.

Sinapsi srl, Italy

It is the solution for metering energy and other resources in a building based on EQUOBOX ETA SERVER. Next-generation WEB supervisor for intelligent buildings based on the KNX standard. Integrated web interface for graphical analysis of consumption data and definition of energy efficiency logics feasible via KNX. Integrated management of automation functions (lighting, scenery, climate, shutters, energy, communication) with graphic support via web browser interface.

Features:

- Multiplatform system
- Highly customizable
- Quick and easy to setup
- Flexible and Modular
- Integration of consumption management
- Customizable webserver interface

tci GmbH, Germany

With the 7 and 10 inch touch panels pureKNX tci offers a cost-effective solution to equip KNX installations with a graphical user interface. Without additional engineering

effort, the parameterization of the visualization is done directly with the ETS software. The visualization and user interface are created automatically. If the customer decides at a later time to use an individual surface, the automatically generated visualization can be adapted by an editor. Mobile apps for Android and iOS enable users to operate via smart phone or tablet with the same "look and feel". The assembly of the touch panel is done in the wall with the tci in-wall box.

Warema Renkhoff SE, Germany

WAREMA Opticontrol bundles automation parts for rooms or zones across trades. As its basis, the modular free programmable BALine control interacts with bus capable components as well as standard sensors and actuators connected. The room climate is kept at its optimum condition. An intuitive touch screen is provided for deviating changes. Users have to change comfort criteria like room temperature, brightness and transparency instead of adjusting set points. OptiControl preferably controls by means of solar energy and natural light, and less by primary energy. Users get feedback about the efficiency level of his demanded settings from the multicolor display.

The WAREMA climatronic KNX control panel process data of direct connected meteorological sensors according parameter and timer settings, and sends commands to KNX actuators. A complete KNX control system comprises the WAREMA climatronic© control panel, the KNX gateway and KNX actuators. The control panels provides manual operation, individual adjustments, positioning, parametrization und automatic control settings. A mobile app is available for additional manual operations. WAREMA will showcases KNX actuators and the freely programmable modular control system BALine.

DIAL, Germany

Having started over 20 years ago as EIB, KNX is nowadays one of most widely applied automation systems worldwide in residential and functional buildings. DIAL was involved from the very beginning and, since 1994, has had an accredited KNX testing laboratory in which several thousand components have already been successfully tested. And the special thing about this is that they do not develop any products of their own. Beyond this, using the latest ETS5, they provide KNX seminars which are completely neutral with regard to both manufacturer and product. In a five-day seminar "KNX/EIB Projecting and Commissioning" you can learn everything relevant to KNX technology. You will also receive the USB dongle so that you can start immediately planning and configuring intelligent house and building systems technology. All DIAL seminars are run by trainers with practical experience and include a high proportion of practical exercises which take place in our modern and optimally equipped modern training laboratory.

TÜV International GmbH, Germany

Being in an active partnership with the KNX Association, TÜV Rheinland offers extensive KNX certification and training services. Its laboratories are accredited by the KNX Association and provide customers with independent testing for devices and systems around the world. Services introduced by TÜV Rheinland at ISH 2015 include:

- Application software checks
- ETS plug-in checks
- Interworking and functionality tests
- Implementer training

The KNX certification tests explained by TÜV Rheinland Experts, follows the KNX Standard Part 5 “KNX Certification of Products”. Further they introduce the testing services of:

- Interoperability
- Co-existence (with other, similar systems)
- Performance

The applications and functions covered by the KNX test and certification services of TÜV Rheinland include home and building controls like:

- Energy management
- Lighting control
- Security systems control
- Automation and remote access
- Blind and shutter control
- Operation and visualization
- HVAC controls

Pictures:



Picture 1: KNX-DALI Gateway 4 channel (emt Controls, Turkey, www.emtcontrols.com)



Picture 2: Guest Comfort ECO (emt Controls, Turkey, www.emtcontrols.com)



Picture 3: ise smart connect KNX Secure (ise GmbH, Germany, www.ise.de)



Picture 4: ise smart connect KNX Sonos (ise GmbH, Germany www.ise.de)



Picture 5: IP Control Center N 152 (Siemens AG, Germany, www.siemens.de/gamma)



Picture 6: Presence detector and brightness controls (Siemens AG, Germany, www.siemens.de/gamma)



Picture 7: EQUOBOX_MANAGER SOLUTION (Sinapsi Srl, Italy, www.sinapsitech.it)



Picture 8: KNX touch panels with integrated visualization (tci GmbH, Germany, www.tci.de)



Picture 9: OptiControl (WAREMA Renkhoff SE, Germany, www.warema.de)



Picture 10: Climatronic (WAREMA Renkhoff SE, Germany, www.warema.de)



Picture 11: Seminars and Testing (DIAL, Germany, www.dial.de)



Picture 12: TÜV Rheinland, Germany, www.tuv.com)

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 shutter 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 lots more. KNX is the worldwide standard for home and building control with 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 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 more than 25 years of experience in the market. More than 380 member companies worldwide from different application domains have almost 7000 KNX certified product groups in their catalogues. The KNX Association has partnership agreements with more than 45,000 installer companies in more than 125 countries.

www.knx.org

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Pictures can be downloaded at: www.knx.org/news-press/press-room