



futurasmus
KNX GROUP



Futurasmus KNX Group, your specialized wholesaler, brings you the

light+building 2014

TOP SELECTION OF NEW KNX DEVICES

Light+building 2014, by Futurasmus KNX Group

To the KNX world: The best global networking opportunity...

To the KNX Association: We recognise and appreciate your accomplishments...

To KNX manufacturers: The opportunity to influence the decisions of over 210.000 visitors...

To KNX professionals: An un-missable event with so much to see, and learn from...

To Futurasmus KNX Group: An opportunity to reunite with our colleagues and representatives from three different continents, personally greet and congratulate the manufacturers who partner with us for their hard work and great results, and to see and evaluate all the new KNX devices introduced at this years show...

For the KNX Standard: A huge success!



For those who were unable to attend, our summary of the newest KNX devices will give you an idea as to what was on show.

For those who did attend, we have summarized some of the more innovative devices, sorted alphabetically with a short description. These are items which you may or may not have seen, and which offered innovative features, meriting inclusion in our 2014 offering list.

First offered in 2010, our Top Selection catalogue has become a reference for many KNX professionals, with many of our customers referring to it over and over again. Once again, we hope you enjoy this virtual, "visit," to the show and remain at your disposal for and additional information, quotations, purchase orders, etc. Also, if you find this information helpful, please let us know it via the social media links below.



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KNX-drossel-DR16

At light+building 2014, Arcus introduced one of the most revolutionary KNX devices that we have seen in recent years: a choke able to convert any standard 24VDC power supply into a certified KNX power supply unit. While other KNX chokes require the secondary 30VDC output of an existing KNX power supply, this new chokes use of standard power supplies allows for a significant reduction in power supply cost, all while supporting a maximum load of 1600mA.



SK01-GPS-TC

New outdoors (IP65) time switch (daily and weekly), which includes a temperature, brightness sensor, and GPS receiver. In addition to this information, it also sends date, time, sun position, sunrise and sunset time to the KNX bus.



SK04-Valve 4

Configurable for either 2-Point or PI control, the SK04-Valve 4 is equipped with four electronic outputs, each capable of controlling 24V valves through KNX. (i.e. for heating control.)



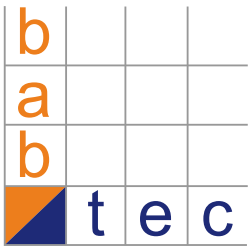
SK07-LUNOS-CONTROL4-W

KNX-LUNOS-Control4, can control the Lunos (www.lunos.de) decentralized ventilation equipment on the KNX bus. One module can easily control up to 4 ventilation devices and is configured using ETS.



Touch_C3_Smart

With a new, lower price the updated 3'5" TouchIT touchscreen now incorporates a front-accessible microSD card reader and an infra-red temperature sensor. In addition to these improvements, Arcus have included multiple new functions such as an integrated data logger. Using their, "TouchIT Log," software, stored telegrams may be displayed graphically, or exported to a .csv file.



CUBEVISION module

Focusing solely on their new CUBE visualization, rather than the older Java or Ajax versions, b.a.b-technologie's CUBEVISION presents a refined version of their popular eibPort. This new product allows for an unlimited number of control elements, IP cameras, etc., while also introducing control of Sonos'® multi-room audio systems through their new AUDIOMODULE.

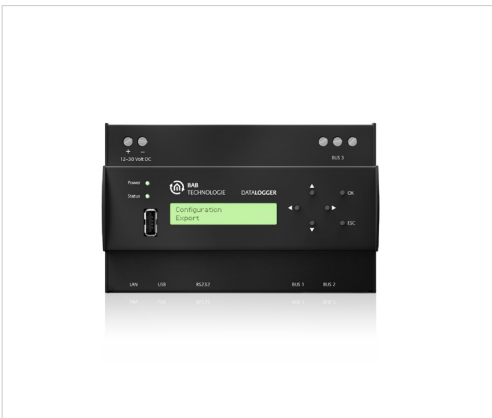
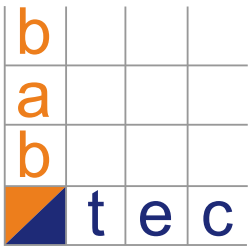
APP module

Similar to smartphones, tablets and ETS, the new APPMODULE allows integration of Apps into the eibPort from b.a.b-technologie's BAB APPSTORE. Using the APPMODULE SDK, anyone can now create, use and/or sell their own Apps through the APPSTORE. This allows an even greater way to integrate other systems, add new functionality, create a more innovative visualization, etc.

AUDIOMODULE

This is a unit exclusively used for streaming audio. There are 2 versions available: Audiomodule speaker - With two 20W outputs to drive two loudspeakers. Audiomodule line - With line level outputs to connect as a source to an amplifier.

It can stream from a UPNP Network Attached Storage unit and can be used in conjunction with a Logitech Squeezebox. When using the AUDIOMODULE with an eibPort in your projects, you can achieve a fully integrated multiroom audio system.



DATALOGGER

Configurable through the built-in display or its on-board web server, the b.a.b.technologie DATALOGGER allows real-time storage of KNX telegrams through either KNX/TP or KNXnet/IP. This data can then be exported as either .XLS or .CSV, which can be sent via automatically via e-mail or saved onto a USB memory stick.

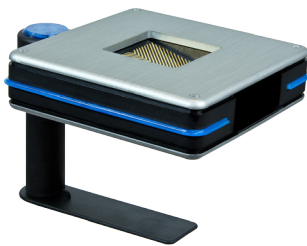
FACILITYMASTER

Designed to be used in large projects, it is the rack-mounted version of the eibPort. It includes the following additional modules: DATALOGGER, APPMODULE and KNXEASY.

It can simultaneously support up to 256 connections (except when using the JAVA visualization); if you use CONTROL W it allows up to 2000 connections; it can store up to 500 million data points; the Logitech™ Media Server is pre-installed for the control of all music zones, etc.



Building Management Systems
great systems for easy living.



Quadra Weather Station

In addition to measuring solar radiation, temperature, rainfall, GPS position, sunset, and brightness in all directions, the Quadra Weather Station includes an ultra-sonic wind sensor capable of measuring both wind speed and wind direction. Among a plethora of other control functions, using this information up to four facades can be controlled independently.

Bleu Comm' Azur



proSERV KNX

In order to meet the rising needs of home owners, BleuCommAzur have updated their proSERV KNX module to allow control of SONOS multi-room audio systems via their smart phone/tablet App. (Available for both iOS and Android.)



GlassPad glass push buttons

Eelectron has introduced their GlassPad series of capacitive, glass KNX push buttons. Available in either black or white, each key allows for both short and long press, scenes or sequences. The push buttons are fully-customizable using icons, text and/or logos, and are available in 3-, 4-, 6-, and 8-rocker variants.



KNX Interface for KBSOUND

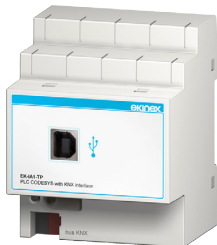
With their new KNX Interface, EISSOUND have introduced a way for installers to combine their KBSOUND® kits into a multi-room audio solution.

ekinex
CONTROL YOUR LIVING SPACE



3.5" Display EK-EC2-TP

At light+building 2014, EKINEX presented their new 3.5" Touchscreen with integrated thermostat. Fully-configurable via ETS, the EK-EC2-TP includes all standard functions, alarms, as well as password protection of particular functions, allowing for intuitive control of installations. With a high-quality display, and a unified design across their push-button range, it presents a highly-desirable alternative to existing KNX solutions.



EK-IA1-TP

Using the CoDeSys® from EKINEX, KNX Partners now have an advanced Logic Controller, programmable using any PLC language adhering to the international industrial standard IEC 61131-3. Programmed through their development environment, it is now possible to use function blocks, ladder logic, etc., without the need for an expensive visualization product.

elsner[®]
elektronik



Suntracer sl Weather Station

Elsner has redesigned their Suntracer Weather Station. In addition to a more compact housing, this updated model includes both an atmospheric pressure sensor and control of up to 8 independent façades.



KNX outdoor sensor

Elsner have introduced updated outdoor IP44 Sensors. With single-function and combination sensors for temperature, humidity, brightness, atmospheric pressure sensing, as well as GPS reception, it is possible for meet all the clients needs.

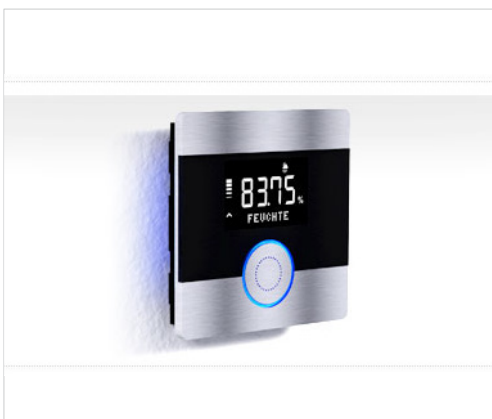
emcontrols
technology solutions



HCM 350

EMT Controls have released the HCM350, a hotel room controller that allows for integration of HVAC, lights, curtains, door sensors, access control and much more, all in a single device. The centralized management system can set-up and access both standard room scenes, as well as specific check-in and check-out scenes.

 **eneretx bayern** gmbh
simulation entwicklung consulting



SynOhr Multisense

With a vocabulary of approx. 250 words, as well as room temperature, humidity and brightness measurement, the ENERTEX SYNOHR MULTISENSE allows for full room control, all via the clients voice. Programmed via ETS, and powered directly via the KNX bus, this unit does not need any external power supply. It is available in three variants.

ESYLUX



ATMO® Series presence detector

With integrated temperature, humidity and air quality (VOCs) sensors, Esylux have updated presence detectors with their ATMO® series.

 **FieldServer**
Technologies



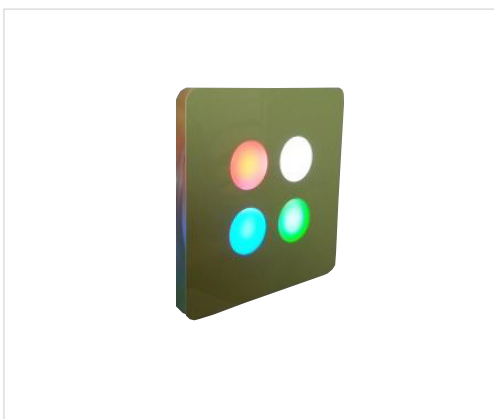
QuickServer KNX

With 500 control points and any two of more than 100 open and proprietary protocols, FieldServer Technologies' QUICKSERVER KNX is a fabulous solution for all your protocol gateway needs!



FS-B35

An extended version of their QUICKSERVER KNX model, the FS-B35 is an expanded protocol gateway that allows for up to 10,000 control points and a choice of several open and proprietary protocols! (Over 100 protocols are supported.) A jack-of-all-trades, master-of-all, this device allows for a plethora of options in building automation installations.



Serie BL-KNX4 Series

With a charming design, and RGB LEDs that can be controlled via communication objects, GePro has created a new range of 4-rocker push buttons. Each key can be configured for switching/toggle, regulation, blind movement, slats control and scenes. In addition, the push button front plates are available in numerous colours and, as they are magnetic, are easily interchangeable.

GIRA



G1 Control Centre

The G1 Control Centre is an innovative, compact multi-touch 6-inch colour touchscreen. In addition to allowing control of all KNX functions in an installation, it can also be used as an intercom.

HDL®

Height · Dedicated · Leading



HDL KNX-M/HSIU05

Incorporating both ultrasonic and infrared sensors, the HDL KNX-M/HSIU05 offers increased accuracy in movement detection. The addition of four independent logic blocks, and a combined logic block, taking input from not only both sensors, but also lighting and temperature, this new movement detector allows for versatile control of an area.

HDL®
Height · Dedicated · Leading



HDL-M/DL06.1

Manufactured to comply with EU safety standards, Guangzhou Hedong now offer two versions of their 6-fold KNX dimming actuators: The M/DL02.1, with a 25A TRIAC, and the M/DL06.1, with a 16A TRIAC with 16A. Both dimmers include an EMC high performance filter and may be used with incandescent lamps, halogen lamps, etc.



HDL-M/TBP6.1-46

Guangzhou Hedong have launched the HDL-M/TBP6.1-46, a new multi-function touch panel. With each of its six push-buttons offering switching, dimming, shutter/blind control, scenes, and values, as well as additional blocking objects and IR remote control, the touch panel offers an complete solution for room control.



BNUS-00/00.1

Guangzhou Video-Star has created a new USB interface to ease the communication between your PC and the KNX System: with a compact design and a look very similar to that of a pen drive, this device is small and portable.



BCU with buzzer

Installing and programming devices can sometimes be difficult, especially when dealing with a large installation. Adding to their long line of innovations, Hager have introduced a BCU with not only a programming LED, but also an integrated audio buzzer. Identifying a device in your installation just became a whole lot easier!



Houseinhand 2.0

HOUSEINHAND have updated their already prestigious App to become even better. In addition to a more flexible licensing system, version 2.0 now includes a multi-language interface, multi-installation support, the discovery of new KNX/IP gateways, optimized scenes, more icons, the possibility to use photos or images as icons, updated organization of zones, rooms, and devices, and much, much more!



5'7" Touch screen HC1i-KNX

Keeping to its original 5.7" size IDDERO have introduced a new, optimized version of their HC1 touch screen. Completely redesigned, with a new high-res display and other hardware upgrades, this new unit offers a significant improvement in both performance and response while keeping its predecessor's features. (i.e. time schedules, user-editable scenes, logic functions, e-mail notifications, integrated web server, etc.) As a result, the HC1i-KNX currently represents the best value for money available in KNX touch screens.



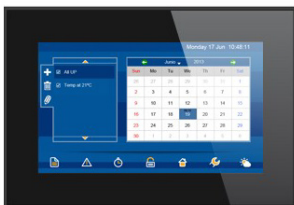

Iddero Home Server

With the availability of smart phones, PC's and tablets, not every home requires a dedicated touchscreen. To meet this need, IDDERO have introduced the IDDERO HOME SERVER. Equipped with a fully re-developed user interface, the Home Server retains the same functionality as Iddero's current range of touchscreens. (i.e. Time schedules, scenes, logic, presence simulation, notifications, etc.) In addition to this, Iddero have included eight inputs channels, four binary inputs, and four binary/temperature sensor inputs, all at a very attractive price.




IRKNX

By introducing the IRKNX, an IR transmitter with learning capacity, and storage/reproduction of up to 255 IR codes, INGENIUM INGENIERIA now offer an easy way to integrate audio/video systems, HVAC split-units, and KNX.



Actuators range

With potential-free, 16A and 30A output variations of their multi-function Switching/Shutter Actuators, all incorporating an internal logic and arithmetic unit (ALU), INGENIUM INGENIERIA have a varied range of KNX actuators available.

RGBL-K

A 12/24V LED dimming actuator, with a maximum operating current of 3A and 8 freely-configurable scenes, the INGENIUM INGENIERIA RGBL-K can be configured as 3 independent channels or 1 RGB channel dimmer.

PPKL4

4,3" KNX native capacitive, colour touch display with integrated Wifi. It has 16 different pages for the control and monitoring of elements on 3D plans, pictures, etc. Among its many features we can highlight the following: time switches, scene editing and presence simulation. In addition to this it has a web server that allows control of the KNX installation from iOS, Android, PC or Smart TV.

Intesis
software



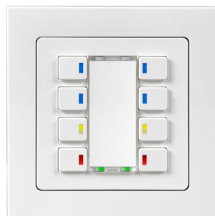
LG-RC-KNX-1i

New gateway for the integration of LG, commercial and MultiV Air Conditioning units. It includes 4 potential-free binary inputs. It also has separate communication objects for control and status, with the possibility to select different standard KNX data points for those objects. In addition to this it integrates scenes, time switches and special power saving modes.



TO-RC-KNX-1i and TO-AC-KNX-16/64

Gateway for the integration of Toshiba Indoor Air-Conditioning units (VRF, DI and DSI ranges). It includes 4 potential-free binary inputs and a host of additional configuration parameters and communication objects to enhance any residential or commercial project.



μBrick Actuators

IPAS has launched a whole new range of switching actuators with compact design and very competitive pricing. They can be mounted either on DIN rail or in wall boxes. The outputs can be configured as switching or for Shutter/Blind control. Inputs can be configured as binary inputs, temperature sensors or presence detectors. Extensive software configuration is standard in all units allowing advanced logic functions per channel, complex logic independent of the channels, KNX scenes, alarms, and a host of other features. Models:

- 6 inputs, 6 resistive outputs
- 6 inputs, 8 resistive outputs
- 0 inputs, 2 capacitive and 4 resistive outputs
- 0 inputs, 4 capacitive and 8 resistive outputs
- 0 inputs, 18 resistive outputs

Piazza Push Buttons

New push button line, available with 2, 4, 6 and 8 rockers at a very competitive price. Each rocker includes a RGB status LED. Rocker or toggle functions can be configured to control numerous devices on the KNX bus.

ComBridge IP Router

This small KNXnet/IP Router (only 2 DIN units) provides 5 tunnelling connections and 1 Object Server. In addition to the routing functionality it can also be used as an IP line/area coupler. A web server is integrated to show current connections in real time, as well as traffic loading on the bus.



ComBridge Home Control Center

IPAS has improved its well established HCC, by expanding from 250 to more than 1000 KNX communication objects. It has a KNXnet/IP connection to access the KNX installation via IP. Another new feature of this product is the visualization. This "Smart-Visu" is especially designed for mobile devices. This visualization is automatically generated and can be customised to fit the resolution of any smart phone, tablet or PC.



ComBridge Evolution

IPAS presented the 2.0,0 version of this visualization at Light+Building 2014. Exciting new features include the ability to see both graphics and alarms in HTML, Smart-Visu for mobile devices, SmartMetering App, DALI management tool (that allows a user-friendly interface to monitor the statuses of DALI e64 gateways). The integrated TeamViewer service for remote support and a host of other useful features required by today's rapidly evolving Facilities Management environment.

JUNG



Weather Station

Great new aesthetically appealing design.

Output parameters include: Wind Speed, Wind Direction, Brightness on all 4 axes, Sunset, Rainfall, Humidity and Atmospheric pressure amongst others.



Multiroom amplifier

Integrated KNX connection, 4 inputs for external sound sources. It has 2 or 4 line level stereo outputs configurable as mono to double the number of outputs. For both models there is the option to include Internet radio and MP3 streaming.

Lifedomus™



Lifedomus visio

The new multi-protocol server (KNX, EnOcean, MyHome, etc) presented by Lifedomus allows the control any installation. One of its distinguishing features is very intuitive visual interface which is both full featured and easy to use. In addition to this there is a multimedia sever which intuitively navigates a huge audio and video collection. It is compatible with Creston, Sonos, Squeezebox, Dune, Nuvo, MyMovies servers, and handles IR, IP and RS-232 devices.

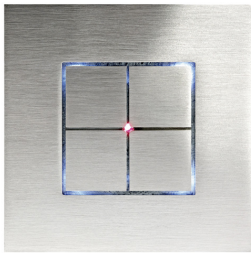
Lingg Janke



Mechanical (rotating wheel) counter energy meter

Integrating legacy energy meters into a modern world. This device continuously takes images of the display, interprets the counter reading, digitalises it and send the data to the KNX bus.

Lingg  Janke



Push Button range

A new selection of push buttons. This collection comprises of 5 designs (LOLA, MONA, ZITA, LARA, ANNA) with 12 different finish options. They operate off the standard bus voltage and are available with integrated temperature and humidity sensor.

MDT[®]
Gebäude
Automation



KNX LED controllers: RGB/RGBW/WHITE

MDT has introduced a range LED actuators. RGB, RGBW and 2-channel control for application where you want to mix two colours. These controllers work with an operating voltage of 12 or 24VDC and support up to 3A per channel. They have an extensive application program that includes sequences, pre-defined colours, random colour changer function, etc.

MDT[®]
Gebäude
Automation



Room Temperature Controller and Central Operation Unit

Both have an integrated display and temperature sensor. The temperature controller only has a thermostat function while the Central unit has additional control over external KNX devices.



10-channel Time Switch with LCD display

Weekly time switch with 10 channels and 6 actions per channel. It includes functions, such as switching before sunrise and sunset, sending date and time to the bus and many others.
Manufacturer: MDT



KNX RF

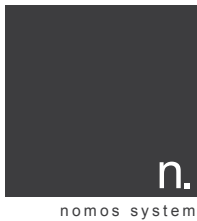
MDT has also introduced a whole range of KNX RF compatible products that can be programmed directly from the ETS3/4 and 5. The RF KNX solutions include media couplers, push buttons, glass capacitive push buttons, switching actuators, shutter actuators and intermediate sockets.

MDT
Gebäude
Automation



APP for iPhone/iPad

MDT has also presented the new Object server gateway to control and supervise KNX installations from iPhone/iPad. The commissioning is done with ETS and the graphic interface is automatically generated in the APP.



Nomos

Multi-protocol (Z-Wave, Lutron and KNX) automation software. It has an open ,and well documented API. It offers the possibility to control iTunes, Apple TV, Sonos, as well as notification services for iOS and Android, additional functions for social networks, etc.



SIEMENS



DALI Gateway

This gateway has got 2 DALI interfaces completely independent from each other, with 64 DALI ballasts and 16 groups for each interface. Its plug-in for the ETS eases the programming immensely. It includes a calibration functionality that allows adjusting different independent zones for constant light regulation so as to optimize operation. This unit self calibrates over a period of two days helping with building tuning without having to return to site after hours.

STEINEL®

German Quality



iHF 3D KNX

Innovative movement detector with intelligent High Frequency technology:

- Detection range of 160°.
- Pet friendly.
- A unique feature of this device is that it has 3 adjustable detection areas, between 0,5m and 8m.

STEINEL®
German Quality



HPD1 Presence Detector

Steinel's first camera-based presence detector. It can detect and count people and groups of people whether they are sitting, standing or moving. Another advantage is that it only detects people, so that it can be installed in those places where there are animals, still avoiding false detections.

tc*i*



Touch screens - luna series

This new series of ultra-slim wall mounted touch screens have a very elegant design. They have a multi-touch display that is available in 7, 10, 16 and 22 inches. There are two hardware versions: one for Android and another one for the Windows operating system.

Tense
TOP DESIGN SWITCHES



Infinity Capacitive push buttons

Capacitive push buttons available in glass, aluminium or corian. They have a multi-functional display to control temperature, audio, scenes and various other KNX functions. The display is navigated by gestures across the face of the unit. LED status light are RGB and can be programmed to replicate the colour that the RGB lights they control are set to. All push buttons are freely configurable to control any KNX devices.

Intensity Capacitive push buttons

This selection of capacitive push buttons can also be found in various finishes, including glass, aluminium, corian and natural stone. The number of touch areas available is 1, 2, 4 or 8. The Intensity collection has the same functionality as the Infinity range of capacitive push buttons from Tense.

theben



theMOVA S and theMOVA P movement detectors

This range of movement detectors are meant for transit areas and their new design allow them to go unnoticed once installed. The theMOVA S version has a detection area of up to 8m, where as the MOVA P extends to 24m when ceiling mounted at 3.5m.

thinknx



ALVEO COMPACT

Alveo is a hardware for the control of our KNX installation. Its main features are a friendly and highly customizable interface, it has the possibility of integrating to IP cameras, monitor consumptions with graphics, notifications, editable scenes by the user, connection and management of multiroom systems, temperature control, alarm control, integration with SONOS, can used as gateway for other systems, it has a very powerful logic module, etc..

thinknx



ALVEO MICRO

This is the reduced version of the ALVEO COMPACT, this hardware allows to accomplish the same functions than those of the COMPACT version except for the control of audio/video multiroom systems, the alarm control and the report module.

trivum®



4-zones Audio Actuator

This is the upgrade to the 1 zone unit that was presented at the 2012 light+building. It is a 3-Source KNX audio actuator: FM radio, analogue input and streaming client for NAS or Internet radio. It has 4 stereo zones (outputs), 50W amplified. In order to control it from KNX TP1, you need a KNX/IP gateway. It is controllable via a dedicated APP which navigates the control of your multiroom system seamlessly. Of course as it is native KNX you can control it from any switch or touchscreen in your building.



 TERMINAL UND TASTATUR 2 MENSCH UND MASCHINE



Capacitive 15" touch display

The difference between the T2M2 touchscreen and the usual units is that they have removed the PC parts (motherboard, RAM, hard drive, etc.). Thanks to this fact, they can offer a low-cost, high-quality touch display that we can connect to those visualizations installed on a PC or embedded hardware with DVI output (for the image), USB (for the touch) and audio (for the sound).

WEINZIERL



KNX TP/RF coupler 680

KNX TP/RF Media coupler that is fully compatible with the new ETS5. This enables any RF S-Mode device to be configured from ETS, as is the case with TP1 devices. It has a display which is useful to diagnose any issues and receive status from the RF bus.

WEINZIERL



KNX IP BAOS 777

The new Weinzierl interface is provided with 5 tunnelling connections and 10 object servers. In addition to this it has a mini-visualization which can accommodate 1000 data points. It has been launched with a display and 4 buttons for configuration and status information.



KNX LineMaster 760

This device combines a KNX 640mA power supply, an un-choked 24VDC output and an IP Router and 5 tunnelling connections.




TMD-Display Room Controller

Based on their well-known Touch-MyDesign product Zennio has added a display to give you thermostat and temperature status. This device incorporates a temperature sensor and a customisable. It also includes two analogue/digital inputs.



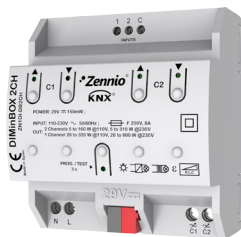
ZN1CL-KLIC-DA

Bi-directional communication interface for the integration of Daikin ALTHERMA Heat Pump units. It allows the management of domestic hot water and the monitoring of energy consumption. It also allows the user to see all the maintenance data available on the Daikin Units.



MAXinBOX 66

New actuator with 6x16A, C-Load outputs and 6 analogue/digital inputs. Outputs can be configured as shutter (2-channel) or Switched (1-channel). Inputs can be used and configured for potential-free sensors/push buttons or analogue inputs for temperature or movement detection. It also includes 4 zone thermostats.

DIMinBOX 2 CH

2-fold dimmer actuator, 310W (RLC load) or 125W (configurable dimming curves for LED and CFL.) It has automatic load detection, 10 independent logic functions, the ability to adjust the dimming curve for LED and CFL and error detection. It also has 2 analogue/digital inputs that can be configured for push buttons, temperature sensors or movement detectors.




Swiss Garde 4000

Pet friendly IP54 outdoor detector with a 16m detection range. The device's head allows rotation to allow mounting on ceilings or walls. Available in white, black and silver colour.



Thank you for your attention!

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