TAPKO VIEW

The TAPKO magazine for exclusive product news and insights

TAPKO in its anniversary year
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Discover completely new devices and product groups
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OEM Business - Utilise the advantages
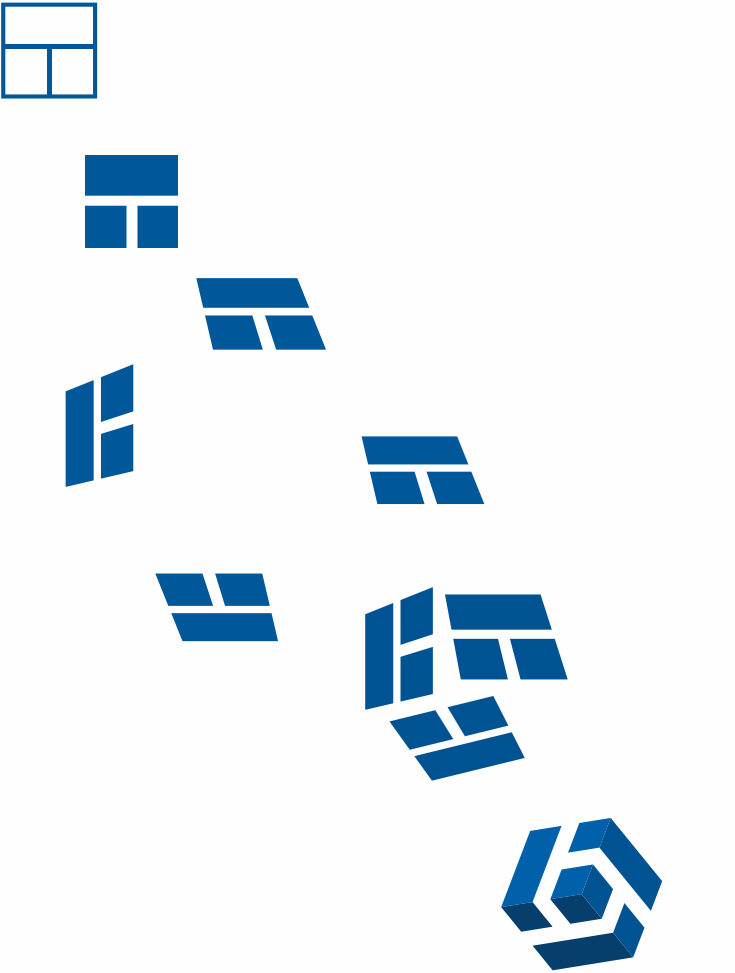_____

Devices on stock: Complete your product portfolio
_____

Services: What we can do
_____

Issue 2024

KNX ®

TAPKO
technologies

Dear readers,

Do you remember 1999? It was the year that Nokia's unforgettable 7110 mobile phone was equipped with the Wap standard, which allowed users to access the Internet, albeit in a very rudimentary way. We at TAPKO Technologies also remember the year 1999, because it was in October that we, the engineers Petar Tomic and Klaus Adler, founded TAPKO Technologies GmbH. Even before the official founding of the company, we were deeply involved in the development of the EIB (European Installation Bus) and had already pushed ahead with the first KNX developments before 1999. Today, together with several other experts, we are among the pioneers of the KNX standard.

Over the past 25 years, we have developed a lot of KNX software and hardware for well-known companies, and more and more for ourselves. Our well-maintained KNX system products have become real classics in the KNX scene. It makes us proud to see product ranges from international companies containing TAPKO know-how.

We want to kick off our anniversary year at Light & Building in Frankfurt. To celebrate this milestone of 25 years, we have decided to reflect our experience in our logo. We have taken the blue squares that have been with us for decades and evolved into our recognition feature and transformed them into a 3D rotating cube within a cube to symbolise the different layers of experience and expertise that make up our success for our services and products.

But that's just the beginning – we're proud to present completely new KNX devices:

The new 'Slim-Lined Device Series' includes four of our classics in a new slim 1SU design (see page 2/3). These very popular TAPKO products now require only one sub-unit on the DIN rail, saving space and incorporating additional features.

We also introduce our new universal modular system. It can be expanded as required and adapted to the application, making it extremely flexible (see pages 4/5).

Still not stopping: Take a look at our new KNX presence detector (ceiling) and a KNX motion detector (wall) (see page 6). Both devices have a minimalist, low-profile design that emphasises the architectural requirements of building automation.

The new product group includes a brand new 55 series, starting with the KNX switch, a minimalist pushbutton with an ultra-flat design, available as a 55-function inlay (OEM customers) or as a set (frame/plate), in numerous materials and colours.

And last but not least:

The new KNX Touch, with its sensitive user interface divided into four touch zones, also has a clear architectural and purist design. Here too, the Inlay 55 will be an interesting option for OEM customers and can of course also be ordered as a complete set in a choice of colours and materials.

We are also currently developing our touch display to match the KNX products described above. It can be integrated into almost any design line and the look will be customisable for OEM customers by adapting the software.

We are looking forward to a year full of innovations, collaborations and celebrations.

excellent in building automation

TAPKO CEO`s: Dipl. Ing. Klaus Adler & Dipl. Ing. Petar Tomic

NEW.DEVICES

Small can be better...

Lean System Devices and Secure Proxy

TAPKO adds functional KNX extensions such as Segment Coupler and Secure Proxy to our valued KNX Coupler technology. The Secure Proxy is a simple way to connect non-secure and secure devices using the same group address. Another step in our continuous device improvement is the reduction of the housing size for certain products in the TAPKO OEM range.

NEW

Secure KNX IP interface with tunnelling channels

UIMip-Sec connects the PC (e.g. ETS) to the KNX bus for commissioning and monitoring over IP.
The UIMip-Sec protects the tunnelling protocol by using KNX IP secure.

NEW

KNX USB Interface

The KNX USB interface UIMtp establishes a data connection between a PC, e.g. ETS, and a KNX installation.

Only 1 SU width

NEW

NEW

KNX Line/Area/Segment Coupler secure

MECtp-Sec connects KNX segments (lines, zones). It provides different routing filters for group and individual telegrams.
The MECtp-Sec supports encrypted configuration using KNX DataSecure.

KNX IP Router secure with routing and tunneling interface

MECip-Sec connects a KNX TP line to a KNXnet/IP backbone. Communication, tunnelling connections and configuration settings are protected by the KNX DataSecure and KNX IP Secure mechanisms.

New Products:
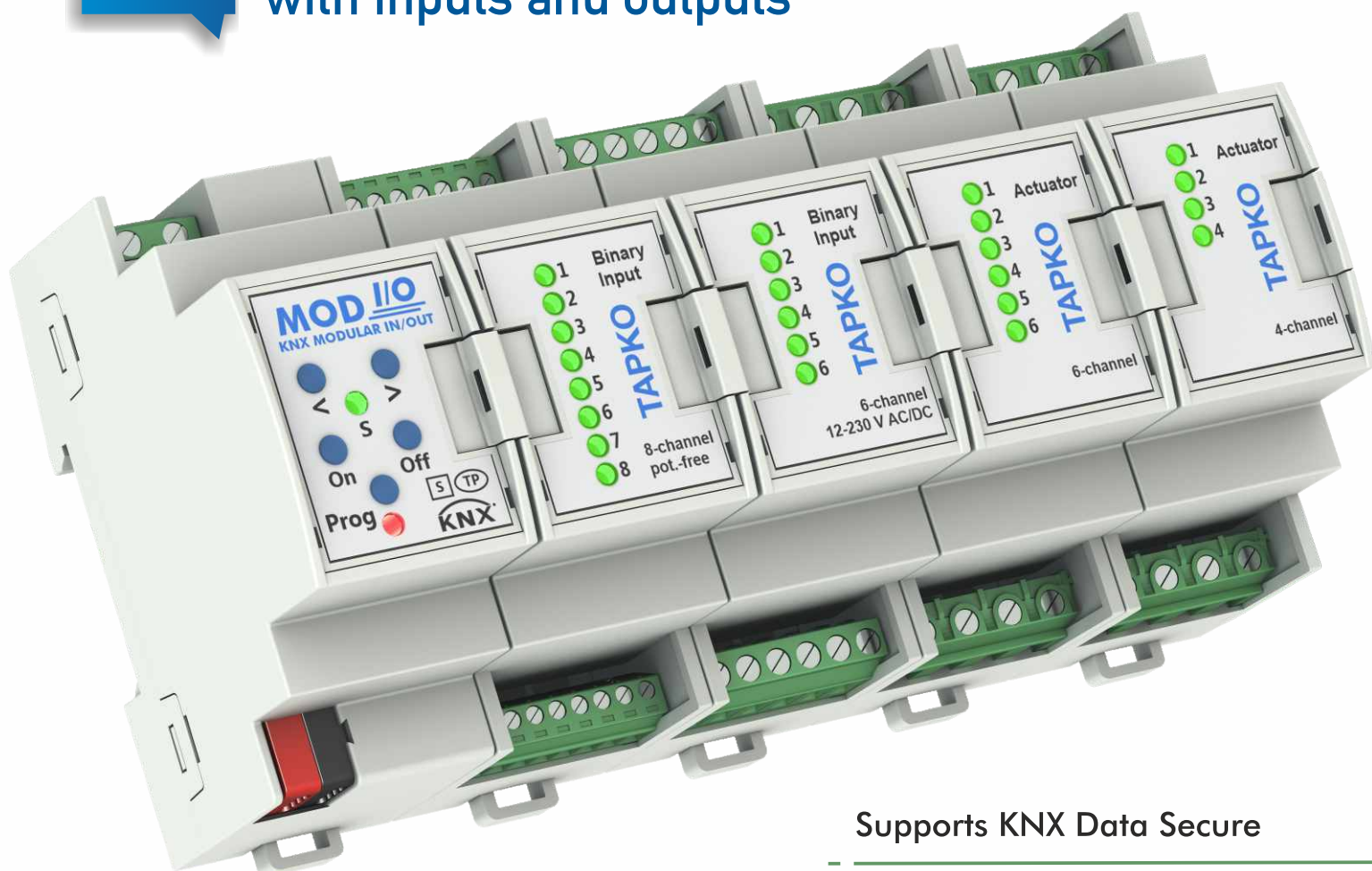Delivery dates on request

NEW.MODULAR.SYSTEM
Flexible installation...

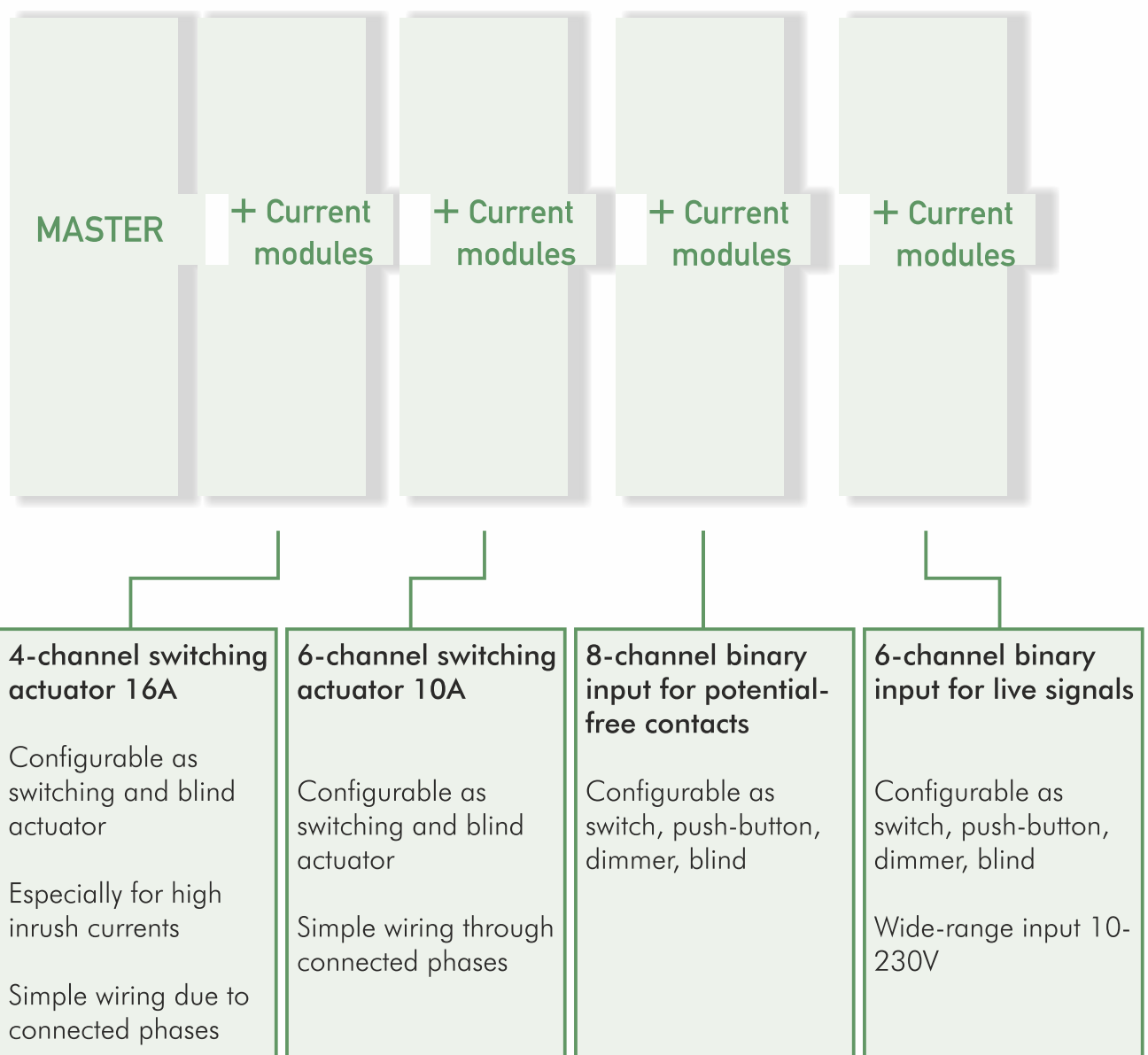**NEW** Universal system
with inputs and outputs

Supports KNX Data Secure

Integrated logic functions

Autonomous operation possible

Up to 5 modules per master

New Products:
Delivery dates on request

4

Modules can be combined as required

← →

| MASTER | + Current modules | + Current modules | + Current modules | + Current modules |

4-channel switching actuator 16A	6-channel switching actuator 10A	8-channel binary input for potential-free contacts	6-channel binary input for live signals
Configurable as switching and blind actuator	Configurable as switching and blind actuator	Configurable as switch, push-button, dimmer, blind	Configurable as switch, push-button, dimmer, blind
Especially for high inrush currents	Simple wiring through connected phases		Wide-range input 10-230V
Simple wiring due to connected phases			

NEW.SENSOR
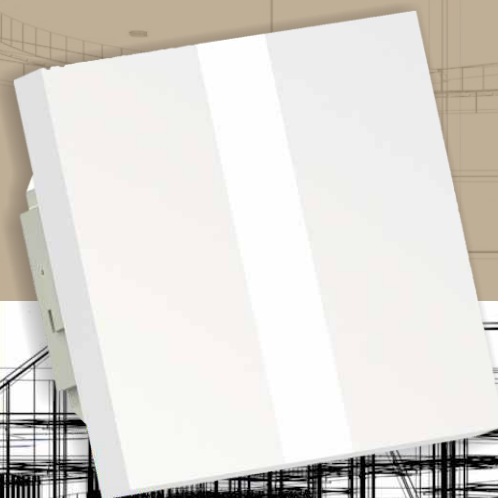## Lean and minimalistic design

NEW

PRESENCE DETECTOR

NEW

MOTION DETECTOR

Ultra flat KNX presence detector for ceiling installation

4 PIR sensors with 360° detection range

Ultra flat KNX motion detector for standard 55mm switch range

55

1 PIR sensor with 120° detection range

New Products:
Delivery dates on request

NEW.SWITCH

Intuitive user interface

NEW

TOUCH DISPLAY

NEW

TOUCH SENSOR

Touch sensor for standard 55mm switch range

The touch area is configurable to individual choices

55

Colour display with 240x240 pixels for standard 55mm switch range

55

Full-surface touch with short/long key and gesture recognition

NEW

Single or double rocker for standard 55mm switch range

PUSH BUTTON

The push buttons are configurable for various functions

55

UTILISE.THE.ADVANTAGES

No development costs, reduced support costs and faster time to market

OEM: your product with no development invest

Customisation reduces your time to market, makes your product stand out and ensures high product quality. Parts can be customised to your requirements. We can supply neutral products or labelled and packed.
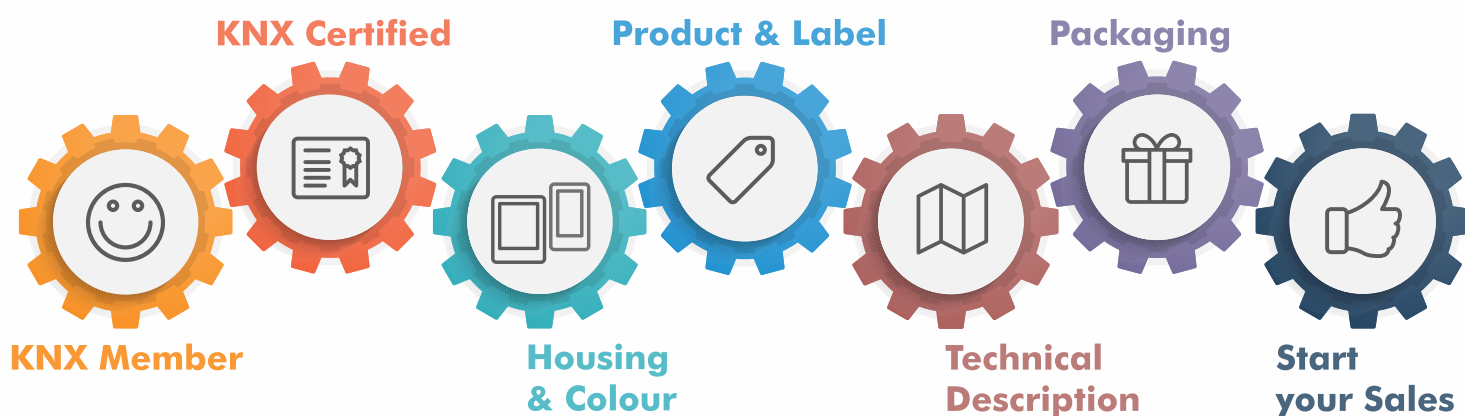
As an additional service we offer database adaptation and KNX registration. For devices with web front-end, we provide the necessary adaptation.

- Fast available KNX product ready for trade and distribution
- Housing available in different colours
- Device labelling on customer request
- Instruction manual can be printed and included
- Packaging and other services as required
- Device can be customised or configured

- ETS database entries available, modifications on customer request
- Serial numbers and keys can be assigned within customer specified number range
- No own certification required
- Fast delivery due to goods on stock
- Competent second level support

OEM

It's so easy to expand your product family...

KNX Certified

Product & Label

Packaging

KNX Member

Housing & Colour

Technical Description

Start your Sales

OEM

EU

Link2all OEM devices

READY.START.OEM

DEVICES on stock

Power Supplies

requires only 2 SU space on the DIN rail

IPS640
intelligent 640mA KNX Power Supply with diagnostic functions and alarms

KPS640
640mA KNX Power Supply with auxilary output

MECps640
Line-/Area Coupler with integrated 640mA KNX power supply

Interfaces

UIMtp
KNX USB Interface for TP

UIMip-Sec
KNX IP Interface Secure with tunneling channels
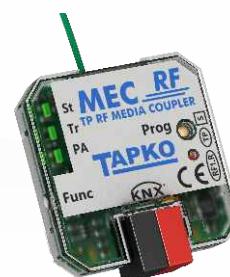
UIMrf
KNX USB Interface for RF

Media Coupler

MECtp-Sec
KNX Line/Area
Coupler Secure

MECip-Sec
KNX IP Router Secure
with tunneling interface

MECrf
KNX RF Media Coupler
for RF ready S-mode

> ℹ️ Our app "KNX RF Field Strength Analyzer" KNX RF FSA gets the grip on the innate uncertainty of your KNX RF installation.

TIO4-Sec
4-fold Secure Push Button
Interface with LED outputs

SIMip
KNX Object Server
with TCP/IP interface

KAIstack-secure

...and many more KNX devices and tools for your KNX rally

WHAT WE CAN DO FOR YOU

TAPKO Devices

KNX devices from TAPKO are technology solutions as well as complete interfacing and connecting devices. This range of products we call infrastructure products or system products. These KNX devices are used for the connection of KNX lines or for the connection to other interfaces. The newer products are sensors, displays, switches and more.

TAPKO Modules

These are universal modules, to achieve the KNX interface which is the basis for development of KNX devices. Modules are delivered with the certified KAIstack.

Development

TAPKO Technologies GmbH offers complete development services in the area of building automation with KNX.
We carry out developments based on standard components as well as on our own TAPKO KNX stack.

Support

In addition to the support from our in-house development, we also offer a comprehensive service package for external development. We have extensive know-how in this field, no matter which standard of bus coupling, interfaces and/or applications are needed.

OEM Devices

We develop and produce complete OEM products, which are distributed by renowned companies in the field of building automation. You can obtain neutral devices or products with your own logo.

KNX Stack

Our TAPKO KNX communication stack, also known as the KAIstack, has been the central element of every KNX development since the early days of TAPKO. The basic structure of the KAIstack is modular, comparable to a unit construction system and can also be assembled according to customer requests.

EVAL Boards

The comprehensive range of Evaluation Boards for the various product lines, such as KAIstack, SIM-KNX, KIMaip and others, facilitates efficient product development or product evaluation in order to gain an overview of the excellent characteristics of the different products.

Accredited KNX Test Lab

In order to simplify product development for our customers and reduce the number of unnecessary contacts, we have set up our own KNX-specific test lab. Your products are tested for interoperability according to your requirements and the KNX specifications.

Manufactured in Europe

We offer the complete production process - from material procurement to assembly, testing, packaging and global distribution. In our professionally equipped production facilities in Split, Croatia, we produce highly specialized electronic devices.

25 Jahre

TAPKO
technologies

This year we are celebrating our anniversary
with many of our partners and friends;
with events and new products.

Celebrate with us!

excellent in building automation