





Life Empowered by Technology...



| Our Story

Optimus Solutions

Your Reliable Partner in Smart Building Technologies

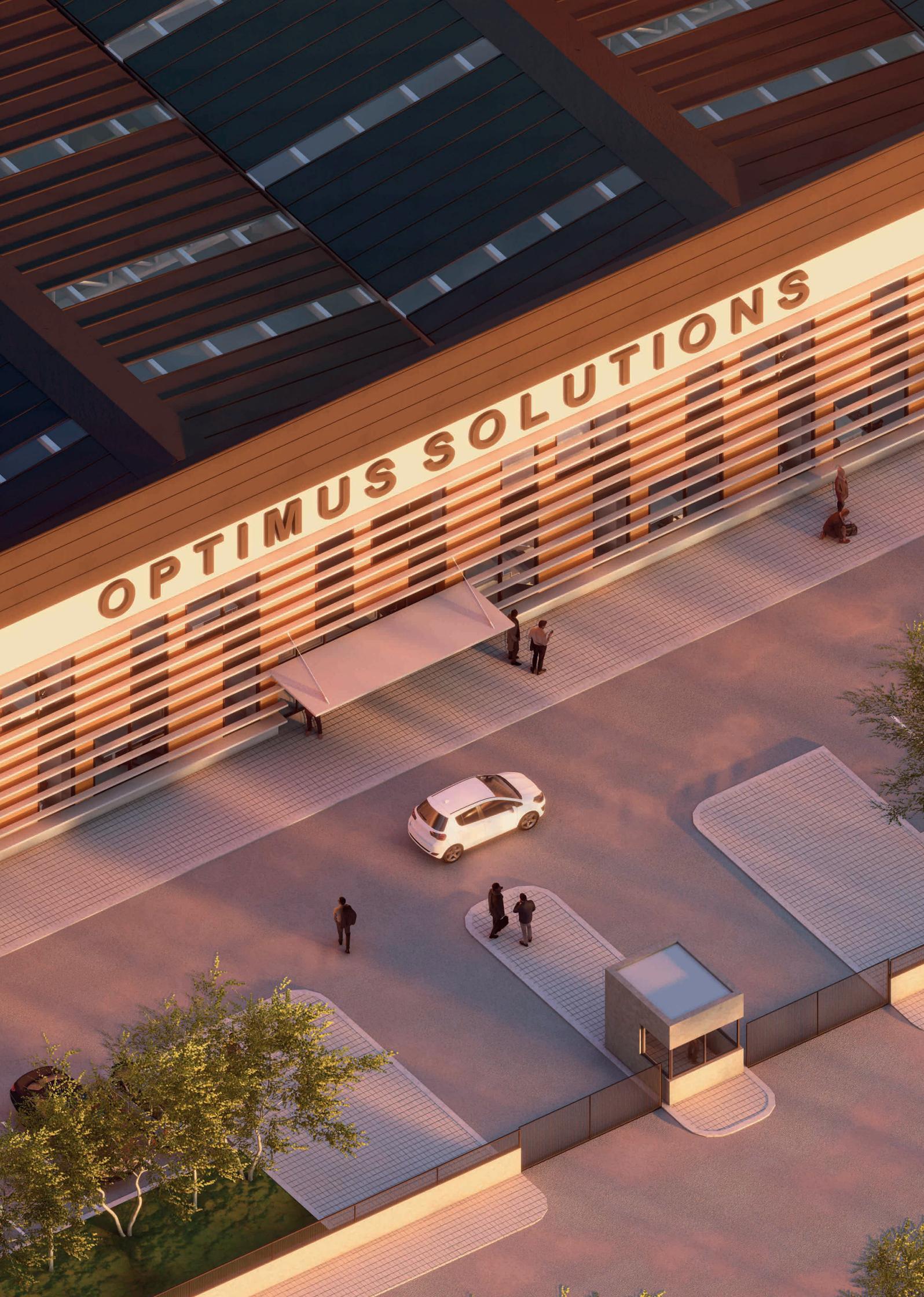
Optimus is a specialized technology brand that designs, develops, and manufactures future-oriented solutions in the field of building and home automation.

Founded in 2004 as one of the first KNX system integrators in Turkey, Optimus brings over 20 years of experience and **insight gained from more than 2,000 projects** across various sectors, offering expertise and field-based know-how for all types of solutions.

Supporting its sectoral experience with investment power, Optimus established its own R&D team in 2019, officially becoming a **certified KNX manufacturer**. Today, Optimus operates with a dynamic team of over 25 expert engineers and takes pride in being **one of only seven companies worldwide to have developed its own KNX stack**.

With its **growth and innovation-focused approach**, Optimus continues to expand its product portfolio and is realizing its vision through a **new 70,000 m² production facility currently under development in Ankara**.

By providing customer-oriented, sustainable, and advanced technology-based solutions, Optimus not only meets today's needs but also aims to build the smart structures of the future.



OPTIMUS SOLUTIONS



Contents

Solutions For a Smarter Life

| | |
|-------------------------------|----|
| EDGE Automation Switch Series | 06 |
| EDGE Touch Panels | 12 |
| Universal Interface | 14 |
| Combined Actuator | 16 |
| Multi Sensor | 18 |
| Power Supply | 20 |
| PWM LED Driver | 22 |
| Digital Input Device | 24 |
| KNX IP Router Secure | 26 |
| KNX TP Line Coupler | 28 |
| KNX AC Gateway | 30 |
| Logic Module | 32 |
| Product Codes | 34 |

EDGE Automation Switch Series



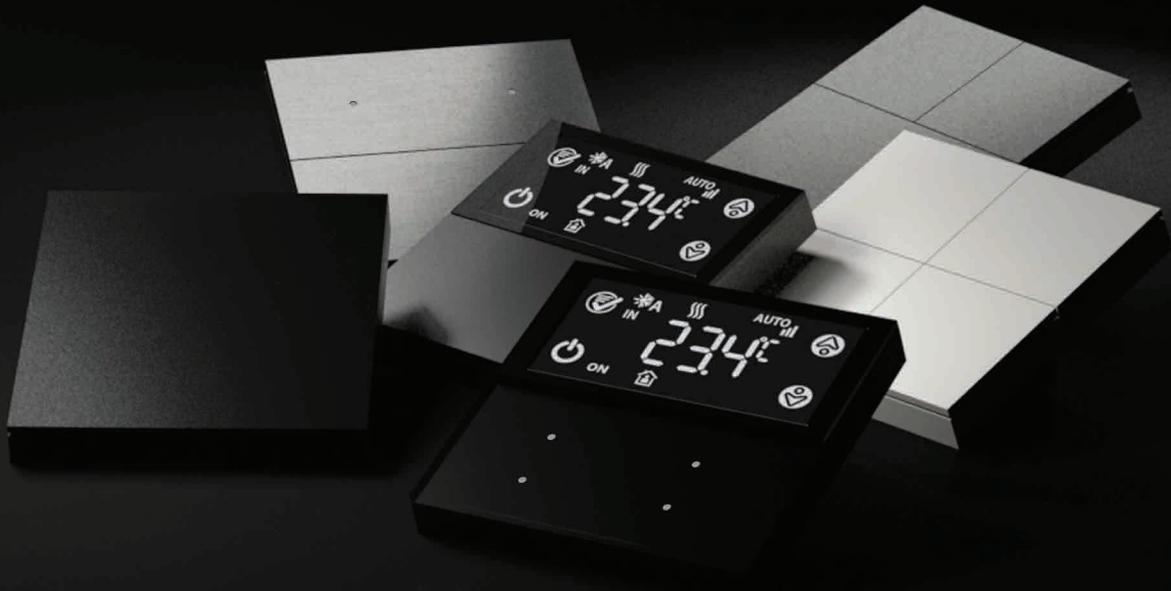
Extensive
Thermostat Features



Modular
Configuration

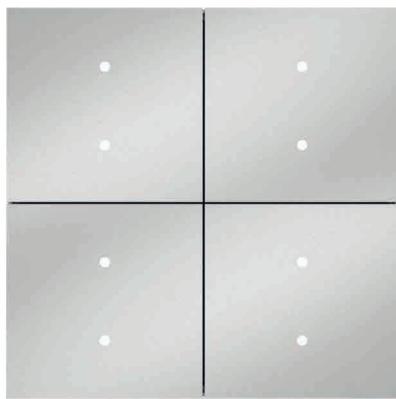


Frameless
Design



EDGE Automation
Switch Series Codes

OPT - SSxxxx - yyy

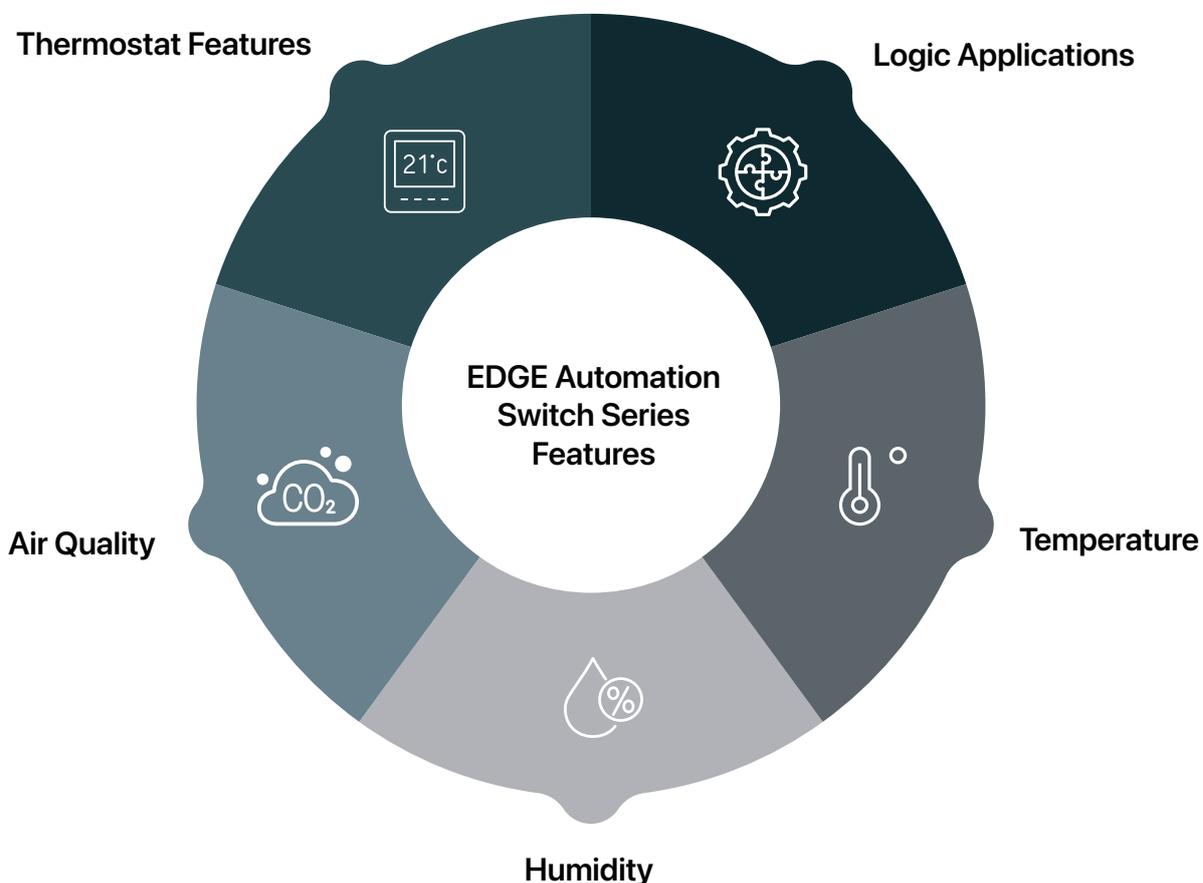


EDGE Automation Switch Series:

The Edge Series is available with both display and non-display options, catering to minimalist and tech-savvy users. Offered in white, black, gray, and anthracite gray, the Edge Series can also meet the needs of those seeking more colorful designs upon request. Featuring both metal and touch-button options, Edge is designed to integrate into any living space.

Step into the Future with Edge

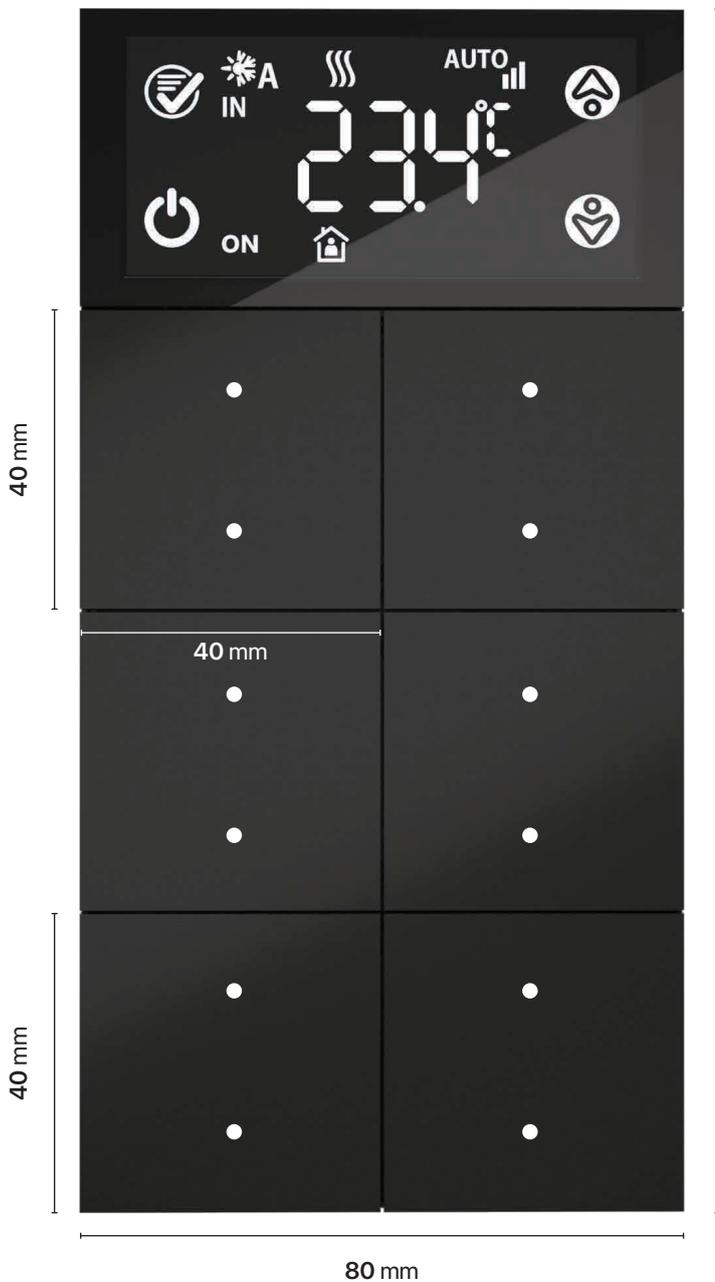
Every detail of the Edge Series is carefully crafted to adapt to the dynamics of modern living. With model options ranging from **1 to 8 buttons** and support for up to **16 functions**, it delivers a fully customizable control experience. **Square-shaped buttons** are ergonomically positioned for up-down operation, while **rectangular buttons** are designed for left-right functionality. Both aesthetics and functionality come together with a user centric approach.



Switch Sensor / Colors

The Edge series comes with both display screen and non-screen options, catering to minimalist and tech-savvy needs alike. Available in stock with white, black, grey and anthracite grey options, the Edge series can also **cater to more colorful design needs upon demand**. Available in **metal** and **touch button options** it is designed to blend seamlessly into any living space.

Original Size



● Anthracite



○ White



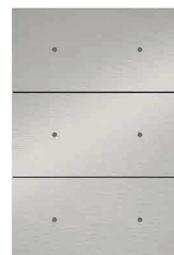
● Gray



● Black



● Touch



● Metallic

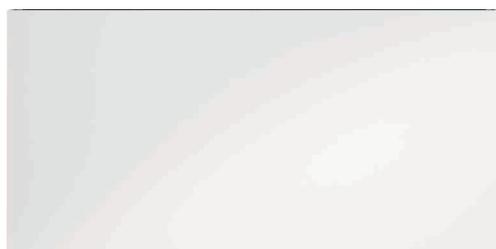
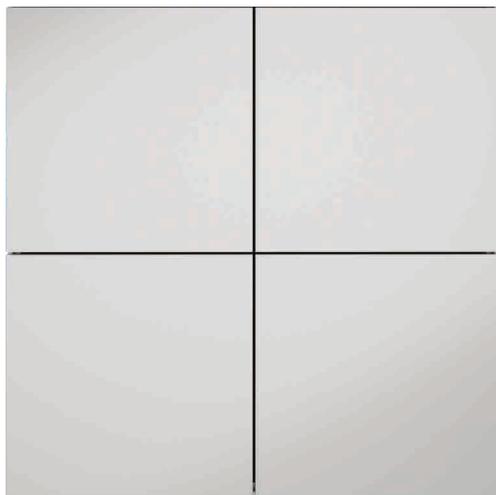
Switch Sensor / Smart Functions



Every detail is crafted to prioritize adaptability for modern living. Models offering **1 to 8 buttons** support up to **16 functions**, creating a fully customizable experience. Square buttons operate up/down, while rectangular buttons operate left/right.

The series includes three different sizes:

- 80x80mm,
- 80x120mm,
- 80x160mm.



Smart Functions for Smart Spaces

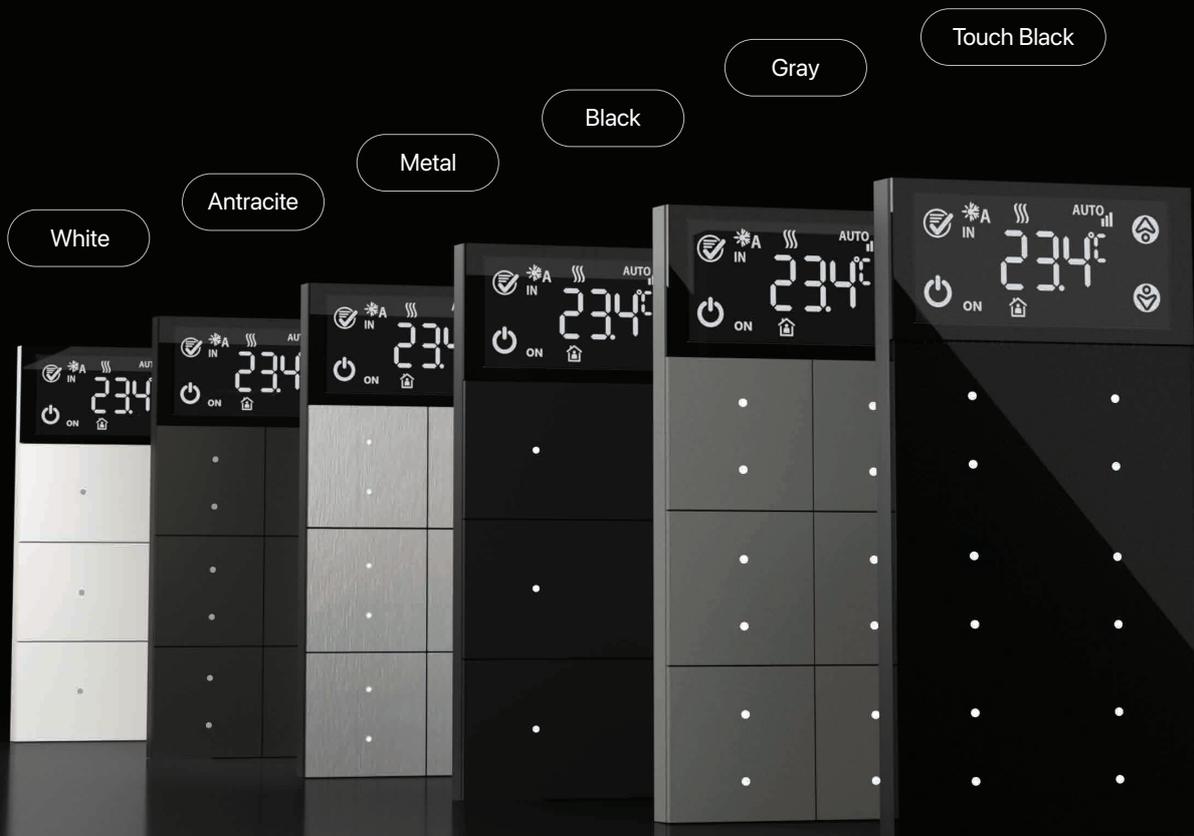
The Edge series offers the most elegant way to control intelligent living spaces. Key functions include:

- Switching and light level adjustment.
- Shutter/blind control.
- Value transmission and array value sender.
- Value dimmer.
- Scenario management.
- Thermostat and logic applications.
- Temperature, humidity, and air quality control.
- RGB Status LED.
- Customizable Icon Features.

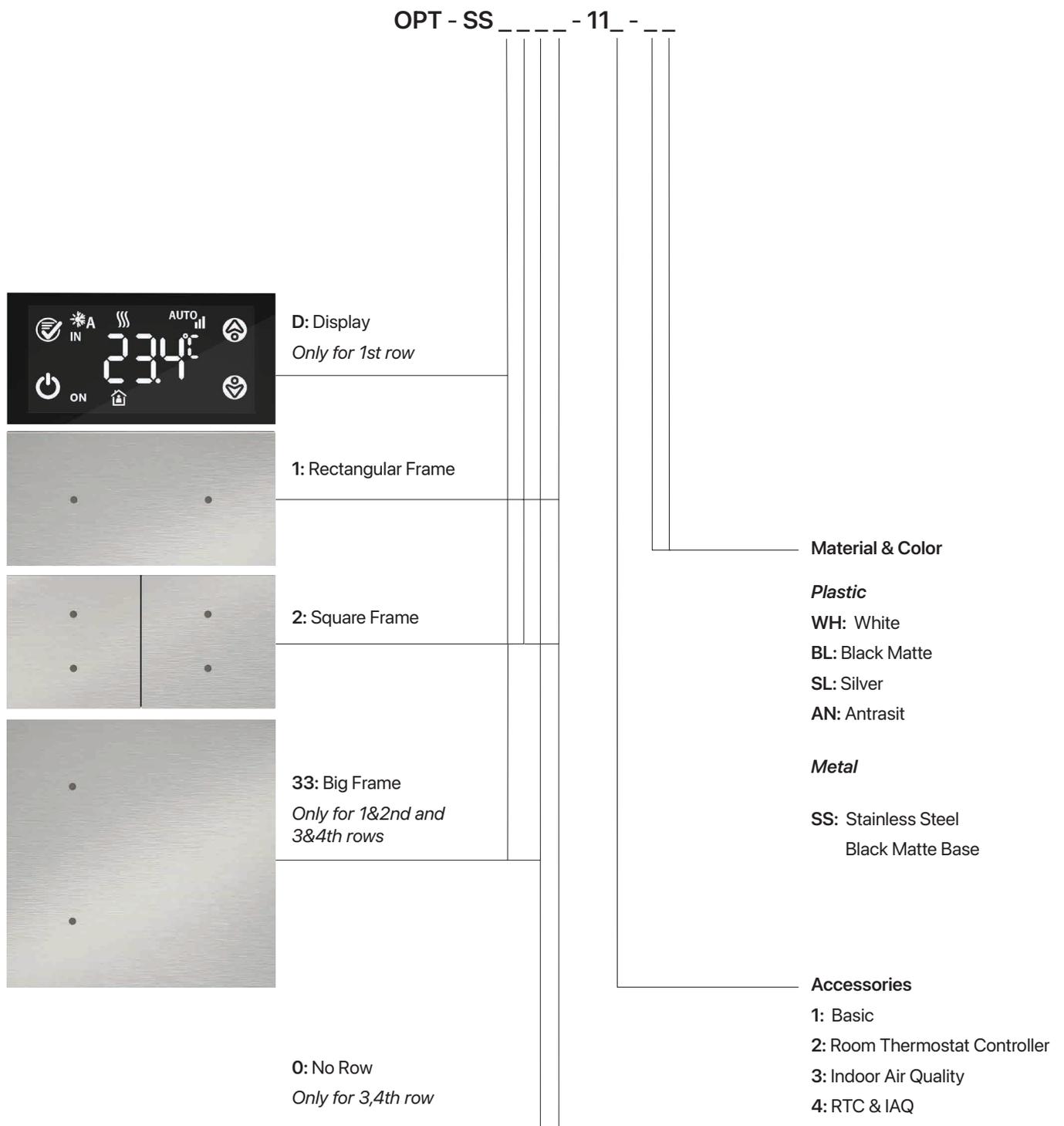
Icon Examples



Step Into the Future with Edge



Switch Sensor / Codes



EDGE Touch Panels



Optimized User
Comfort



Multifunctional Use
with One Touch



Stylish
Design



EDGE Touch Panels Codes

OPT - TP8- 111
OPT - TP10- 111



Discover Seamless Control with the Optimus Edge Touch Panels

Discover seamless control with the **Optimus Edge Touch Panels**, available in **10-inch** and **8-inch** models. These sleek and modern panels are designed to revolutionize KNX-based home automation systems, offering a powerful blend of functionality and style to complement any smart space.

Both panels boast an elegant design and advanced features, ensuring effortless management of your smart home. The Edge panels enable centralized control of **lighting, HVAC, security, shading systems**, and more—all from a single, intuitive interface.

The **10-inch** model provides an expansive display, perfect for larger installations or spaces where a broad and detailed view of controls is desired. The **8-inch model**, compact yet equally robust, offers the same functionality in a smaller form factor, ideal for tighter spaces or minimalist installations.

Key Features:

- **KNX-Based Integration:** Fully compatible with KNX systems for seamless automation.
- **IoT Connectivity:** Supports integration with smart devices, allowing you to create a unified ecosystem.
- **Versatile Functionality:** Control lighting, climate, blinds, security, and more with a touch.
- **Customizable Interface:** Personalize layouts, icons, and controls for a tailored user experience.
- **Modern Design:** A sleek look that blends into any décor, with durable materials that complement its premium feel.
- **Effortless Setup:** Streamlined installation and commissioning make it easy to get started.
- **Intercom**
- **Mobile Control Features**

| | Edge 1.1 10 " | Edge 1.1 8" |
|--------------------|---|---|
| CPU | Quad Core ARM Cortex A35 @1.3GHz | Quad Core ARM Cortex A35 @1.3GHz |
| Operating System | Android 8.1 | Android 8.1 |
| Screen Size | 10.1" | 8" |
| Microphone | 1 with Echo Cancellation | 1 with Echo Cancellation |
| Speaker | 2x8 Ohm -2 Watts | 2x8 Ohm -2 Watts |
| Input | 5 Digital Inputs | 5 Digital Inputs |
| Knx Bus Connection | KNX-TP / KNX-IP | KNX-TP / KNX-IP |
| LAN | 1 | 1 |
| IoT Integration | IFTT, Amazon Alexa ,Google Home, Siri Shortcuts | IFTT, Amazon Alexa, Google Home, Siri Shortcuts |
| Intercom Standart | SIP 2.0 Peer-to-Peer | SIP 2.0 Peer-to-Peer |

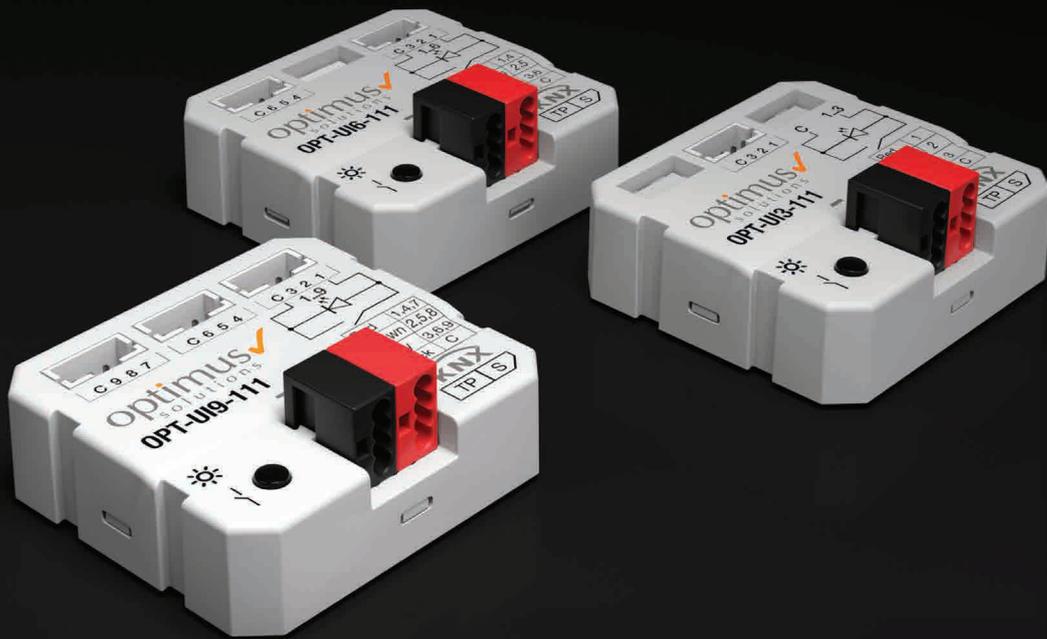
Universal Interface



Adjustable as
Input / Output



The First Step to
Automation



Universal Interface Codes

OPT - UI3- 111
OPT - UI6- 111
OPT - UI9- 111



Universal Interface

The universal interface can be used both as an **input** and an **output** due to its flexible design adapting to different project needs. With the options of **3, 6, and 9 channels**, it offers solutions that meet the needs of both small and large-scale applications. With its **wide range of engineering parameters**, it creates a compatible control mechanism for your systems, meeting engineering needs in various projects. This versatile device is an ideal solution for users seeking **functionality** and **flexibility** in KNX projects. With its simple design and user-friendly structure, it simplifies installation and configuration processes...

Key Features

- Usable as both input and output
- Wide engineering parameters
- Functional design

| | |
|--------------------------|---|
| Supply Voltage | KNX 30 VDC |
| KNX Current Consumption | 8 mA |
| Number of Input / Output | Each channel (up to 3, 6, 9) can be configured as input or output |
| Input Functions | Value Sender, Dimmer, Shutter, Counter |
| Output Functions | LED (3.3 VDC 2 mA) |
| Cable Length | Maximum 100 m |
| Temperature Range | Operation -5...+45 °C Storage -25...+55 °C |
| Dimensions (W x H x Y) | 38 x 41 x 14 mm |

Combined Actuator



High Capacity



Multi-Functional



Compact



Combined Actuator Codes

OPT - CA4 - 211
OPT - CA8 - 211
OPT - CA12 - 211
OPT - CA16 - 211
OPT - CA20 - 211
OPT - CA24 - 211



Combined Actuator

The combined actuator, with various channel options (**4, 8, 12, 16, 20, and 24 channels**), caters to a wide range of applications and offers **maximum flexibility** in your projects. It allows the control of lighting, curtains/blinds, and heating/cooling systems with a single device, providing significant advantages in energy management and an ease in usage. The actuator has a space-saving design in installation to panels while the **protection** it offers against high currents ensures long-lasting and safe operation. The different channel options make it ideal for both small-scale individual projects and large commercial applications. With its robust design, versatility, and features that simplify system installation, the combined actuator provides a reliable solution for your KNX projects.

Key Features

- **High current protection**
- **Compact design**
- **Multi-functionality**

| | | |
|-------------------------------|--|-------------|
| Supply Voltage | KNX 30 VDC | |
| KNX Current Consumption | Max. 10mA | |
| Mounting | DIN Rail | |
| Number of Output | 4, 8, 12, 16, 20 or 24 | |
| Output Switching Currents | 16A 277 VAC | |
| Temperature Range | Operation -5. +45 °C Storage -25..+55 °C | |
| Dimensions and Weight (WxHxD) | | Net - Gross |
| 4 channels | 54 x 92 x 64 mm (3 MW) | 148g - 173g |
| 8 channels | 90 x 92 x 64 mm (5 MW) | 233g - 310g |
| 12 channels | 108 x 92 x 64 mm (6 MW) | 312g - 349g |
| 16 channels | 144 x 92 x 64 mm (8 MW) | 396g - 438g |
| 20 channels | 198 x 92 x 64 mm (11 MW) | 541g - 591g |
| 24 channels | 198 x 92 x 64 mm (11 MW) | 555g - 605g |

Multi Sensor



Flat Design



GRMS Presence/
Absence



Multi Sensor



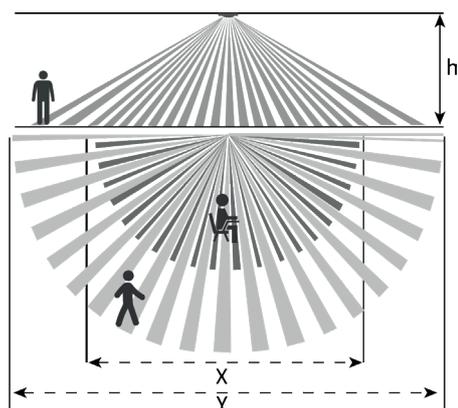
Wide Detection
Range



Multi Sensor Codes

| | | | |
|-----------------|-------|---------------|--|
| OPT - MSS - 212 | | MSS: Standard | → 212: with environmental sensors and thermostat |
| OPT - MSC - 212 | | MSC: Corridor | |
| OPT - MSH - 212 | | MSH: High Bay | |
| OPT - MSW - 212 | | MSW: Wide | |

| | | | |
|-----------------|-------|---------------|---|
| OPT - MSS - 211 | | MSS: Standard | → 211: without environmental sensors and thermostat |
| OPT - MSC - 211 | | MSC: Corridor | |
| OPT - MSH - 211 | | MSH: High Bay | |
| OPT - MSW - 211 | | MSW: Wide | |



| Model | Standard | Wide Range | High Bay | High Bay | Corridor |
|--------------------|-----------|------------|-----------|-----------|-------------------------------|
| Height (H) | 2.5-4 m | 2.5-4 m | 9-12 m | 9-12 m | 2.5-4 m |
| Seated Person (X) | 4-6 m Ø | 8-10 m Ø | 14-20 m Ø | 14-20 m Ø | |
| Walking Person (Y) | 10-12 m Ø | 12-16 m Ø | 23-30 m Ø | 23-30 m Ø | 22-35 m (4-6 m Short Edge) |

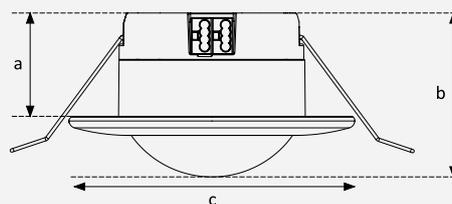
Multi Sensor

The Multi-Sensor series is designed with four different models tailored for various spaces and applications, making it suitable for all types of projects: **Standard**, **Wide Area**, **Corridor**, and **High Ceiling** types. Optional features such as **thermostat**, **humidity measurement**, and **air quality detection** offer both **comfort** and **energy efficiency**. Thanks to its high-precision presence detection, the sensor family ensures accurate and reliable results in all usage areas. Its modular structure allows for the integration of additional modules as needed, enabling flexible solutions to suit specific project requirements. With its minimalist design, the sensors add an aesthetic touch to any architectural setting and effectively meet diverse needs through a wide range of engineering parameters. The **inactivity logic function**, specially developed for hotel projects, provides investors and operators with easy control and management capabilities.

Key Features

- **Minimalist design**
- **Multi-sensor structure**
- **Wide detection area**
- **Three independent control channels**
- **Modular design**

| | | | |
|-------------------------|--|-------|-------|
| Supply Voltage | KNX 30 VDC | | |
| KNX Current Consumption | 10 mA | | |
| Sensor Type | PIR, brightness, temperature, humidity | | |
| Mounting | Surface or flush mounting | | |
| Mounting Height | 2,5-4 m (Standard, wide range type, corridor) 9-12 m (High-bay) | | |
| Brightness Measurement | 10...1000 lux | | |
| Temperature Range | Operation -5...+45°C Storage -25...+55°C | | |
| Dimensions | a | b | c |
| Standard | 29 mm | 45 mm | 78 mm |
| Wide Range | 29 mm | 45 mm | 78 mm |
| High-Bay | 37 mm | 52 mm | 78 mm |
| Corridor | 29 mm | 45 mm | 78 mm |
| Surface Mount Box | | 80 mm | 45 mm |



Power Supply



Real-time
Information



Additional
Output



Current
Measurement



Power Supply Codes

OPT - PS32 - 111

OPT - PS64 - 122



Power Supply

The KNX power supply, offered in two capacities: **320mA** and **640mA**, provides reliable energy for your projects. The integrated LED indicators enable instant identification of errors, **providing the ability** for a quick intervention in case of system malfunctions. The **640mA** model provides real-time current information while supplying instant feedback on the system status and with its additional **30VDC output**, it is an ideal solution for powering additional devices. With its simple and sturdy design, the power supply offers a reliable solution for both small and large-scale KNX projects.

Key Features

- **Error status indicator**
- **Real-time current information**
- **Extra 30VDC output**

| | OPT - PS64 - 122 | OPT - PS32 - 111 |
|------------------------|---|---|
| AC Voltage Range | 190...265 VAC 50 / 60 Hz | 190...265 VAC 50 / 60 Hz |
| Output Voltage - 1 | 30 V DC (KNX) | 30 V DC (KNX) |
| Output Voltage - 2 | 30 VDC (without choke) | - |
| Output Current | 640 mA | 320 mA |
| Temperature Range | Operation -5...+45 °C Storage -25...+55 °C | Operation -5...+45 °C Storage -25...+55 °C |
| Dimensions (W x H x Y) | 90 x 92 x 64 mm (5 MW) | 90 x 92 x 64 mm (5 MW) |
| Mounting | DIN - Rail | DIN - Rail |

PWM LED Driver



Constant Voltage
Technology



4 Outputs



PWM LED Driver Code

OPT - LD4 - 111



PWM LED Driver

The LED driver operates via a constant voltage method with **4 channels**, providing a voltage range of **12-24V**. Each channel offers precise control for **LED lighting**, and by **combining channels**, the total capacity can be increased to accommodate more powerful loads. Its **flexible design** adapts to both **small** and **large-scale** projects. The compact design saves space, and its functional features allow for easy integration into various applications. The LED driver enhances **energy efficiency** while ensuring your lighting systems operate reliably and durably.

Key Features

- **Combinable channels**
- **Constant voltage**

| | |
|---------------------------|---|
| Supply Voltage | KNX 30 VDC |
| KNX Current Consumption | Max. 10mA |
| Mounting | DIN Rail |
| Number of Output | 4 |
| Output Switching Currents | 3A per channels, total 12A 28 VDC (max) |
| Temperature Range | Operation -5...+45 °C Storage -25...+55 °C |
| Dimensions (W x H x D) | 54 x 92 x 64 mm (3 MW*) |
| Weight | Net:112g Gross:140g |

Digital Input Device



Wide Input
Option



Compact



Digital Input Device Codes

- OPT - DI4 - 121
- OPT - DI6 - 111
- OPT - DI8 - 121
- OPT - DI12 - 111



Digital Input Device

The Digital Input device, with its space-saving **compact design** occupies **minimal space** in panels and provides easy installation. The digital input device can read both dry contacts and live terminals, addressing a wide range of applications. Available in **4, 6, 8, and 12 channel** options, this device can provide flexible solutions for varying project needs. Due to its multiple data supporting structure, it can easily be integrated with various systems. With its **simple** and **functional design**, this device offers a reliable monitoring solution for your KNX projects.

Key Features

- **Compact design**
- **Wide input options**

| | |
|---|---|
| Supply Voltage | KNX 30 VDC |
| KNX Current Consumption | 8mA |
| Mounting | DIN Rail |
| Number of Output | 4,8 ch for 230V AC/DC 6,12 ch for Dry Contact |
| Input Functions | Value Sender, Dimmer, Shutter, Counter |
| Dimensions (WxHxD) 4 Channels, 6 Channels 8 Channels, 12 Channels | 54 x 92 x 64 mm (3 MW) 90 x 92 x 64 mm (5 MW) |
| Temperature Range | Operation -5...+45 °C Storage -25...+55 °C |
| Weight 4 Channels 6 Channels 8 Channels 12 Channels | Net Gross 105g 130g 107g 132g 153g 185g 155g 187g |

KNX IP Router Secure



KNX Secure
Compatible



Compact



No Extra Power
Required



KNX IP Router Secure Code

OPT - IPR - 121



KNX IP Router Secure

The KNX IP Router Secure, with its space-saving 1 module width design, occupies **minimal space** in panels and **provides easy installation**... It operates without the need for an additional **power supply, simplifying system setups**. Thanks to its KNX Secure feature, it supports high security standards for data transmission, **protecting your system from external threats**. This secure and practical solution facilitates communication and integration in your KNX projects.

Key Features

- **Compact design**
- **KNX Secure compatibility**
- **No need for extra power supply**

| | |
|----------------------------|---|
| Supply Voltage | KNX 30 VDC |
| Environmental Requirements | Operation -5...+45 °C Storage -25...+55 °C Rel. humidity (non-condensing) %5...%93 |
| Mounting | DIN Rail 1 Module Width (18 mm) |
| Ethernet Specifications | 100BaseT (100MBit/s) Supported protocols: ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP and Auto IP |
| KNX Specifications | KNX Security: (AES-128), Tunneling V2, Core V2 Up to 8 KNXnet/IP Tunneling Connections Simultaneously Extended filter table for main group: 0..31 Max. APDU length: 55 |
| KNX Current Consumption | 20 mA - KNX Bus |

KNX TP Line Coupler



Coupler
Function



Compact



KNX TP Line Coupler Code

OPT - LC - 111



KNX TP Line Coupler

The KNX TP Line Coupler, with its space-saving 1 module width design, occupies **minimal space** in panels and provides easy installation. The test buttons on the front side of the device allow for **quick** and **practical system checks**. This feature simplifies installation and maintenance processes, ensuring a more time-efficient workflow. With its reliable performance and functional design, it ensures seamless data communication between different lines in KNX systems. Its compact size and **user-friendly features** make it an ideal solution for both small and large-scale projects.

Key Features

- **Compact design**
- **Test buttons**

| | |
|----------------------------|--|
| Supply Voltage | KNX 30 VDC |
| Environmental Requirements | Operation -5...+45 °C Storage -25...+55 °C Rel. humidity (non-condensing) 5...93 % |
| Mounting | DIN Rail 1 Module Width (18 mm) |
| KNX Specifications | Extended filter table for main group 0...31 Max. APDU length: 55 |
| KNX Current Consumption | KNX main line approx. 5 mA KNX sub line approx. 3 mA |
| Connection | KNX TP connection |

KNX AC Gateway



Wide Engineering Parameters



Compatible with Various Brands



KNX AC Gateway Codes

- OPT - ACG - 111
- OPT - ACG - 121
- OPT - ACG - 122
- OPT - ACG - 131



KNX AC Gateway

Our KNX AC Gateways are compatible with air conditioning systems of **Samsung, Mitsubishi, and Daikin, connecting different brands** to the KNX network. With **several logical functions**, it makes air conditioning system management more **flexible** and **efficient**. The device features three digital inputs that can be used for various purposes. Additionally, it allows bidirectional communication with **air conditioning indoor units**, ensuring more efficient and accurate operation of the system.

Key Features

- **Wide engineering parameters**
- **Digital inputs**
- **Multi-purpose logical functions**

| | |
|-------------------------|---|
| Supply Voltage | KNX 30 VDC |
| KNX Current Consumption | 10 mA (max) |
| Mounting | Interior |
| Cable Length | Max 100 m |
| Temperature Range | Operation -5...+45 °C Storage -25...+55 °C Relative humidity %5...%90 |
| Dimensions (W x H x D) | 66 x 66 x 21,5 mm |

Logic Module



Extensive Logic
Functions



Logic Module Code

OPT - LM - 111



Logic Module

The Logic Module **provides flexible** and **efficient control** in KNX projects with its **extensive range** of logic function options. Serving as a complementary product in specialized projects, it effortlessly performs all required logic operations in complex systems. Its **compact design minimizes space requirements, making it easy to use in any environment.**

Key Features

- **Logic functions tailored to every need**
- **Complementary product**
- **Compact housing**

| | |
|----------------------------|--|
| Supply Voltage | KNX 30 VDC |
| KNX Current Consumption | 8 mA |
| Environmental Requirements | Operation -5...+45 °C Storage -25...+55 °C |
| Dimensions (W x H x D) | 38 x 41 x 14 mm |
| Functions | Inactivity Logic, Filter/Delay, Present, Logic Gates (AND, OR, XOR, XNOR, NAND, NOR), Gate, Min/Max Comparator, Rthreshold, Comparator, Data Parser, Multiplexer, Demultiplexer, Staircase, and Scenario Controller. |

Product Codes

SWITCH SENSOR

OPT-SSxxx-yyy

TOUCH PANEL

OPT-TP8-111

OPT-TP10-111

UNIVERSAL INTERFACE

OPT-UI3-111

OPT-UI6-111

OPT-UI9-111

COMBO ACTUATOR

OPT-CA4-211

OPT-CA8-211

OPT-CA12-211

OPT-CA16-211

OPT-CA20-211

OPT-CA24-211

MULTI SENSOR

OPT-MSS-212

OPT-MSC-212

OPT-MSH-212

OPT-MSW-212

OPT-MSS-211

OPT-MSC-211

OPT-MSH-211

OPT-MSW-211

POWER SUPPLY

OPT-PS32-111

OPT-PS64-122

PWM LED DRIVER

OPT-LD4-111

DIGITAL INPUT DEVICE

OPT-DI4-121

OPT-DI8-121

OPT-DI6-111

OPT-DI12-111

KNX IP ROUTER SECURE

OPT-IPR-121

KNX TP LINE COUPLER

OPT-LC-111

KNX AC GATEWAY

OPT-ACG-111

OPT-ACG-121

OPT-ACG-122

OPT-ACG-131

LOGIC MODULE

OPT-LM-111





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