



KNX & WIRELESS

# PRODUCT PORTFOLIO

optimus✓  
solutions



# Our Story

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## 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 m<sup>2</sup> 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.

# Contents

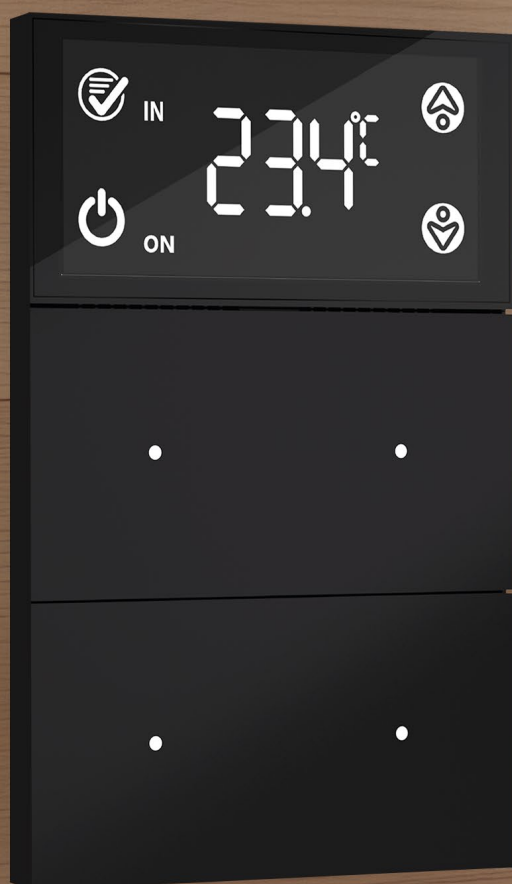
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KNX





# EDGE Automation Switch Series

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Optimus Edge Automation Switch Series is designed to simplify and enrich the way users interact with their environment. More than a simple switch, it brings together control of lighting, HVAC, blinds, and scenarios into one elegant unit. Display models add thermostat and environmental sensors, transforming the device into a complete comfort controller for modern living. Available with both display and non-display options in white, black, gray, and anthracite gray (custom colors on request), with metal or touch glass button variants to match any interior.

Its frameless architecture and wide choice of materials and colors allow seamless integration into any space, while customizable icons and RGB feedback give users both freedom and clarity. Models range from 1 to 8 buttons and support up to 16 functions. Square buttons are optimized for up-down operation, while rectangular buttons are designed for left-right use. Three sizes are available: 80×80, 80×120, and 80×160 mm.

**Go to page 62 for technical details.**

**Up to 8 Buttons and 16 Functions**

**80×80/120/160 mm**

**Metal or Touch Options**

**RGB Status LED**

**Customizable Icons**



# EDGE Touch Panels

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Optimus Edge Touch Panels centralize every aspect of building automation into one stylish interface. Available in 10" and 8" models, they deliver intuitive control of lighting, shading, climate, and security with just a touch. Designed for elegance as well as performance, they make complex systems easy to use in both residential and commercial settings.

Beyond KNX integration, the panels support IoT connectivity and intercom features, enabling them to act as the digital hub of smart buildings. Their slim design and customizable interface layouts provide flexibility, while the large display ensures clarity and ease of use. Mobile control features and streamlined installation/commissioning make setup effortless.

**Go to page 62 for technical details.**

**KNX & IoT Ready**

**SIP Intercom**

**Mobile Control**

**Customizable UI**

**Effortless Setup**

**Slim Design**



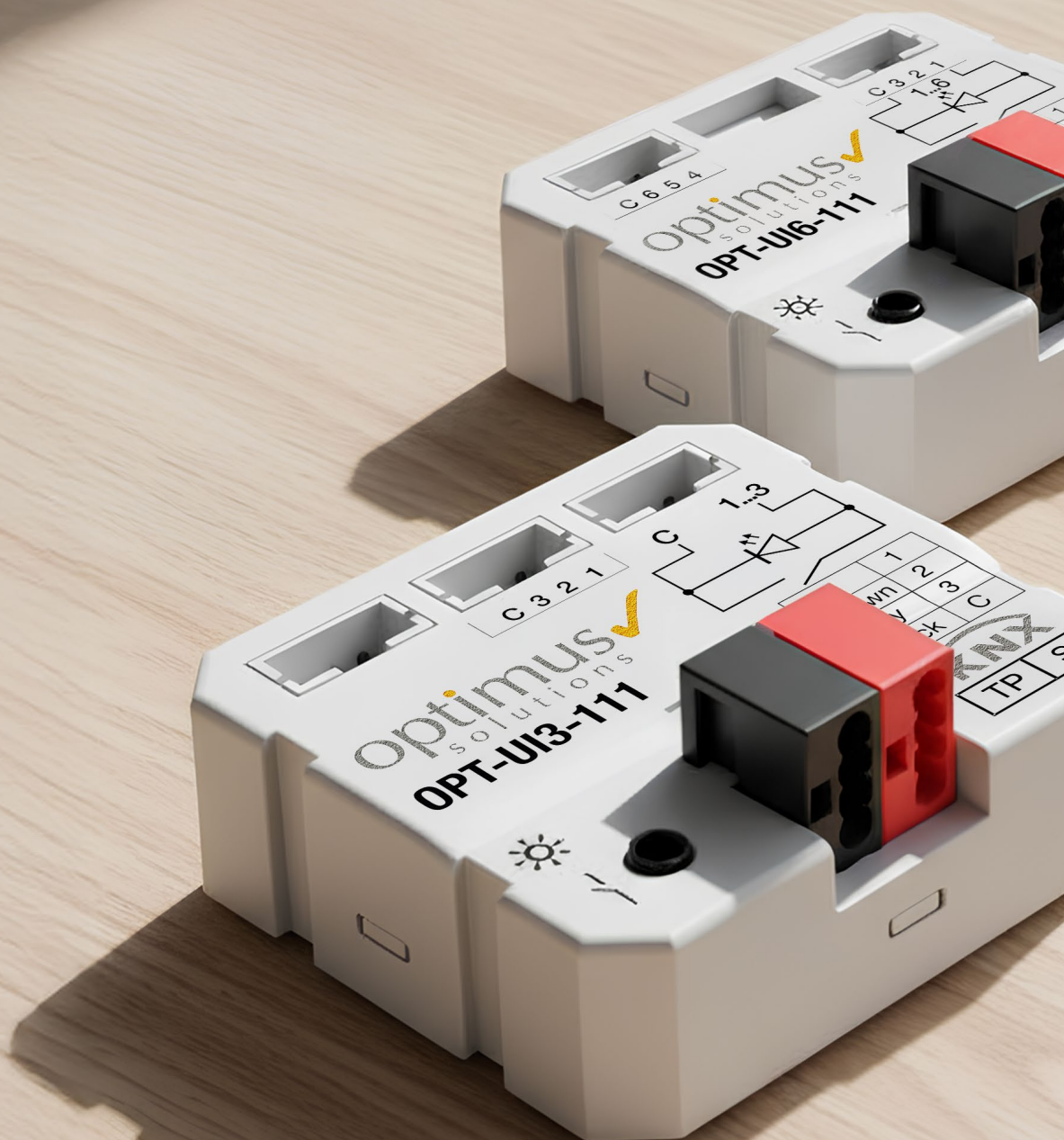
# Universal Interface

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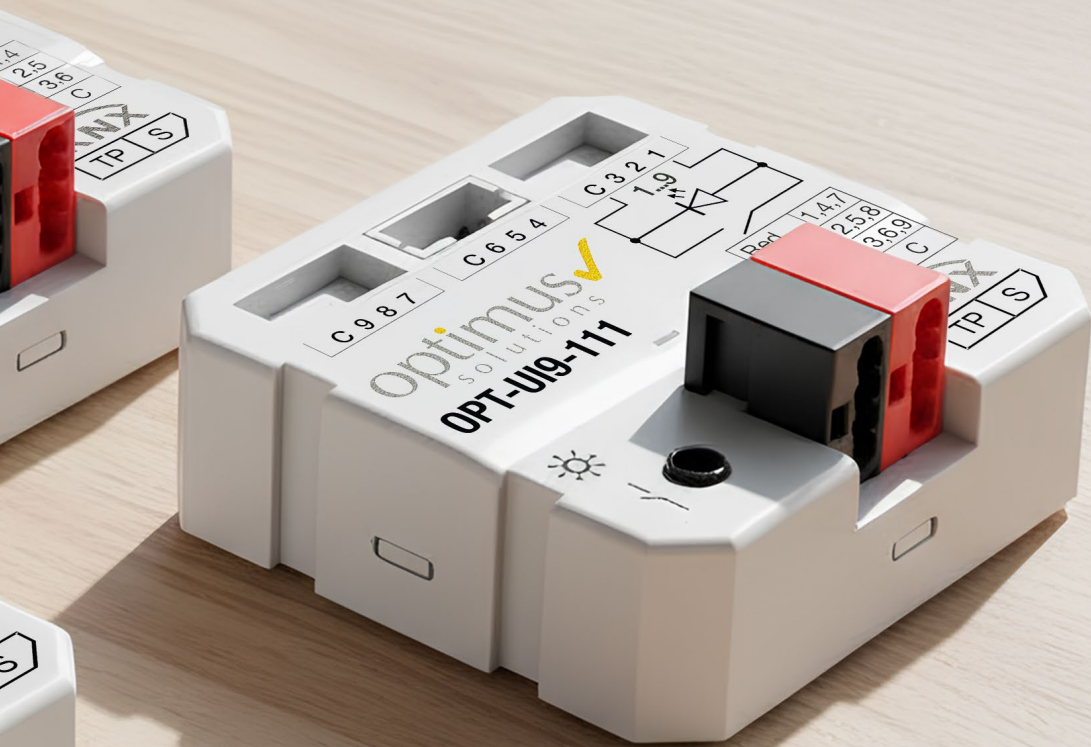
The OPT-UIx-111 Universal Interface offers maximum versatility in a compact form. Each channel can be configured as input or output, allowing functions such as switching, dimming, shutter control, or LED indication. This makes it an essential component in extending automation to a variety of devices.

Powered directly from the KNX bus, it requires no extra supply and is easy to mount inside junction boxes. Its flexibility and small size make it ideal for simple expansions, retrofits, or cost-effective automation solutions.

**Go to page 63 for technical details.**







3–9 Channels

Wide Parameters

Input and Output  
Configurations

Compact Design

# Combined Actuator

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The OPT-CAxx-211 Combined Actuator integrates multiple functions into one device, reducing the need for separate modules and simplifying installations. With 4, 8, 12, 16, 20, or 24 outputs, a single unit can manage lighting, curtains/blinds, and HVAC, improving energy management and daily operation.

Its space-saving DIN-rail design optimizes panel layout, while protection against high currents ensures safety and longevity. Manual test keys and status LEDs speed up commissioning and maintenance; flexible ETS parameters adapt the device to projects of any scale.

**Go to page 63 for technical details.**



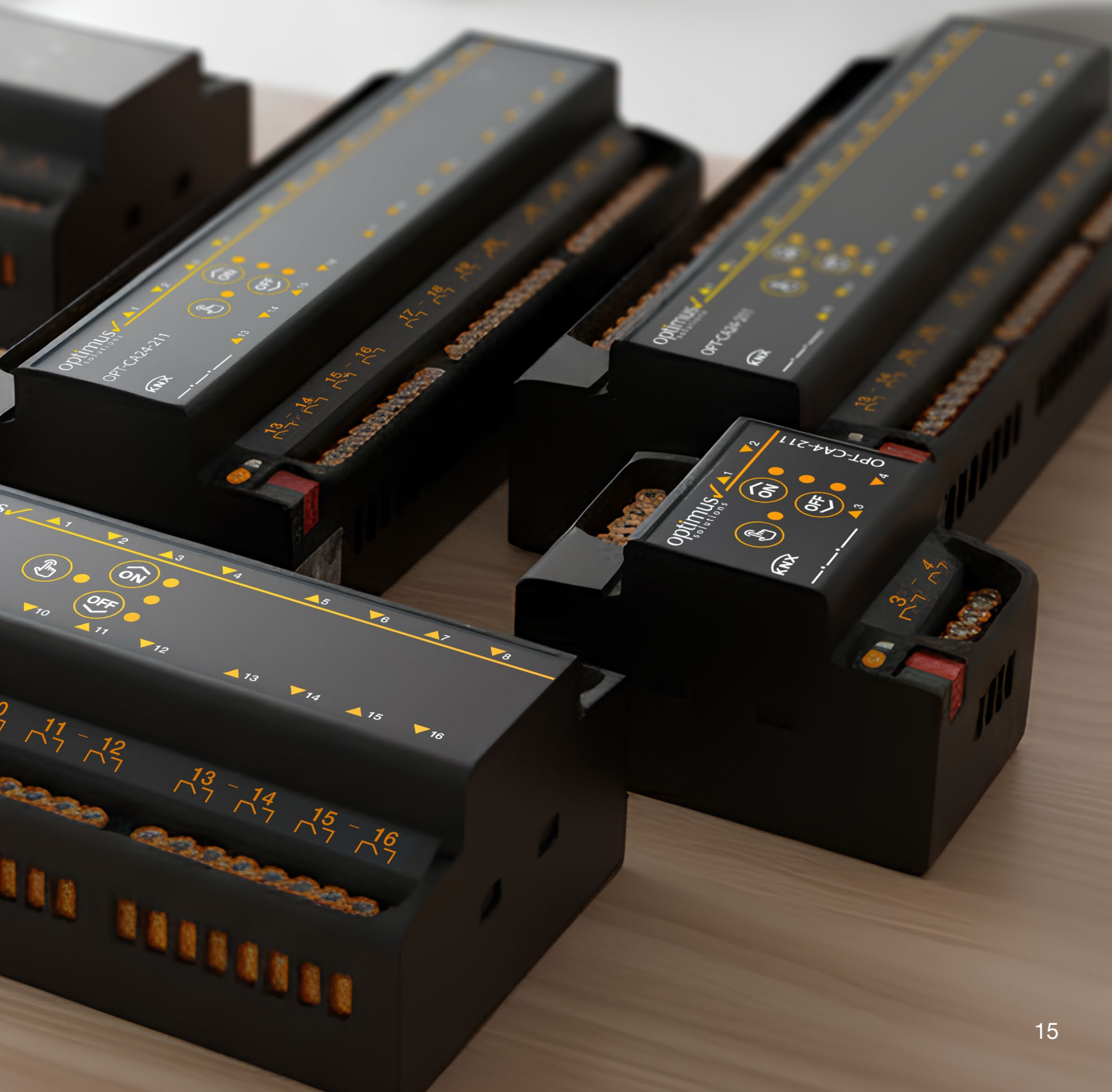
**4–24 Outputs**

**Compact Design**

**High-Current  
Protection**

**Multi-Function  
Control**





# Multi Sensor

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The OPT-MSx-21y Multi Sensor family combines high-precision presence detection with environmental monitoring to deliver smarter, more efficient spaces. Four model types; Standard, Wide Area, Corridor, and High Ceiling cover diverse layouts and mounting heights.

Optional thermostat, humidity, and air-quality (IAQ) sensing add comfort and energy efficiency. Three independent control channels enable granular automation; an inactivity logic (especially for hotels) simplifies room management. For integration ease, a flashing light-based quick programming mode enables fast entry to programming during commissioning.

**Go to page 64 for technical details.**

**4 Different Models:**  
Standard, Wide Area, Corridor, High Ceiling

**Thermostat/IAQ Options**

**3 Control Channels**

**Inactivity Logic**

**Quick “Flasher” Programming**





# Power Supply

The OPT-PSxx-1yy power supplies are the secure backbone of KNX lines, delivering a stable 30 VDC with integrated choke for reliable bus communication. They are available in 320 mA and 640 mA capacities to match project scale.

Integrated LED indicators allow instant fault recognition and quick intervention. The 640 mA model provides real-time current information and includes an additional 30 VDC auxiliary output, ideal for powering extra devices.

**Go to page 64 for technical details.**

Error Status LEDs

Reliable Bus Supply

Extra 30 VDC Output

Real-Time Current Info (640 mA)







# PWM LED Driver

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The OPT-LD4-111 PWM LED Driver delivers precise dimming for constant-voltage luminaires. Four channels (12–24 V range) provide smooth control; channels can be combined to increase total capacity for more demanding loads.

Its flexible, compact design supports both small and large projects, improving energy efficiency while ensuring reliable, durable operation. DIN-rail mounting and straightforward parameters make integration fast and clean.

**Go to page 65 for technical details.**

**4 Outputs**

**Smooth  
PWM Dimming**

**12–24 V Constant Voltage**

**Combinable Channels**





# Digital Input Device

The OPT-DIxx-1y1 provides a reliable way to connect conventional switches and sensors into KNX automation systems. Designed for both dry contacts and live terminals (230 V), these modules detect contact status and transmit it to the KNX bus in real time. Each channel can be programmed for switching, dimming, shutter/blind control, or counter functions, ensuring versatile use in different applications.

Compact housings save panel space, and 4/6/8/12-channel options offer design flexibility. Multiple data types and robust engineering parameters make integration easy and monitoring reliable for residential, commercial, and industrial projects.

**Go to page 65 for technical details.**

## Models:

- OPT-DI4-121: 4-channel, 230 V input
- OPT-DI8-121: 8-channel, 230 V input
- OPT-DI6-111: 6-channel, dry contact
- OPT-DI12-111: 12-channel, dry contact

**Dry & 230 V Inputs**

**4–12 Channels**

**Compact Design**

**Wide Input Options**







# KNX IP Router Secure

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The OPT-IPR-121 securely links KNX TP lines with IP networks, routing telegrams and serving as a secure ETS interface for large installations. It is a compact 1-module width device designed to minimize panel space and speed up installation.

Operating without an extra power supply simplifies panel design. KNX Secure ensures encrypted data exchange and protection against unauthorized access, making projects future-proof and compliant with modern security needs.

**Go to page 66 for technical details.**

## Compact 1-Module Width

**TP-IP Routing**

**KNX Secure**

**No Extra PSU**





# KNX TP Line Coupler

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The OPT-LC-111 ensures smooth, reliable communication between KNX lines/areas while maintaining galvanic isolation and proper filtering to reduce unnecessary traffic and keep networks stable.

Its front-panel test buttons enable quick, practical checks during commissioning and service. A compact 1-module width design saves space in panels and simplifies installation.

**Go to page 66 for technical details.**

**Compact 1-Module Width**

**Galvanic Isolation**

**Test Buttons**

**Filtering & Stability**





# KNX AC Gateway

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The Optimus AC Gateway connects Samsung, Mitsubishi, and Daikin indoor units to KNX, enabling bidirectional communication for on/off, mode, temperature, fan speed, and vane control, turning HVAC into a native part of building automation.

Three digital inputs, wide engineering parameters, and multi-purpose logic functions add design flexibility and precise behavior. The compact housing allows discreet mounting inside the indoor unit, reducing wiring complexity and saving space.

**Go to page 66 for technical details.**

## Models:

- OPT-ACG-111 (Daikin P1P2)
- OPT-ACG-121 (Mitsubishi TB15)
- OPT-ACG-122 (Mitsubishi CN105)
- OPT-ACG-131 (Samsung F3/F4; incl. WindFree & CST360)

## Compact Indoor Install

Digital Inputs (×3)

Multi-Purpose Logic

Wide Parameters

Bidirectional Control









# Logic Module

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The OPT-LM-111 adds advanced intelligence to KNX by enabling up to ten independent logic slots in a compact device. Without external controllers, installers can implement logical gates, filters/delays, comparators, data routing, or scenario controllers directly on the bus.

Its small footprint fits tight spaces, and each slot can be tailored to project needs making it ideal for complex, adaptive automation.

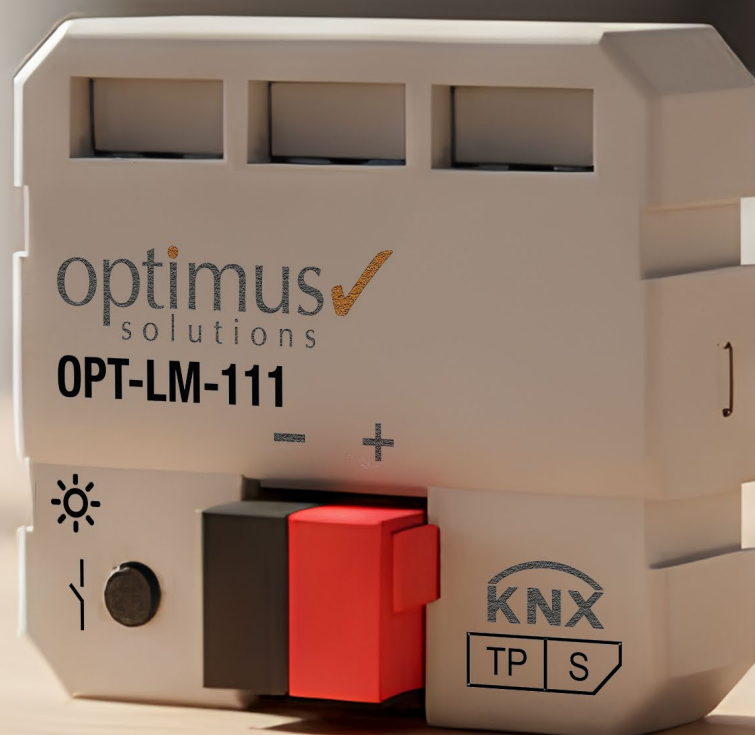
**Go to page 67 for technical details.**

## Extensive Operations

**10 Logic Slots**

**18 Logic Functions**

## Project-Tailored Logic







# Wireless



# DALI Converter

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The OPT-RFDG4-111 allows DALI-based lighting systems to be integrated into the wireless ecosystem. With support for up to four addresses, it brings advanced dimming and lighting control into wireless environments.

This converter is ideal for projects where existing DALI fixtures need to be managed alongside wireless devices, ensuring flexibility and uniform operation.

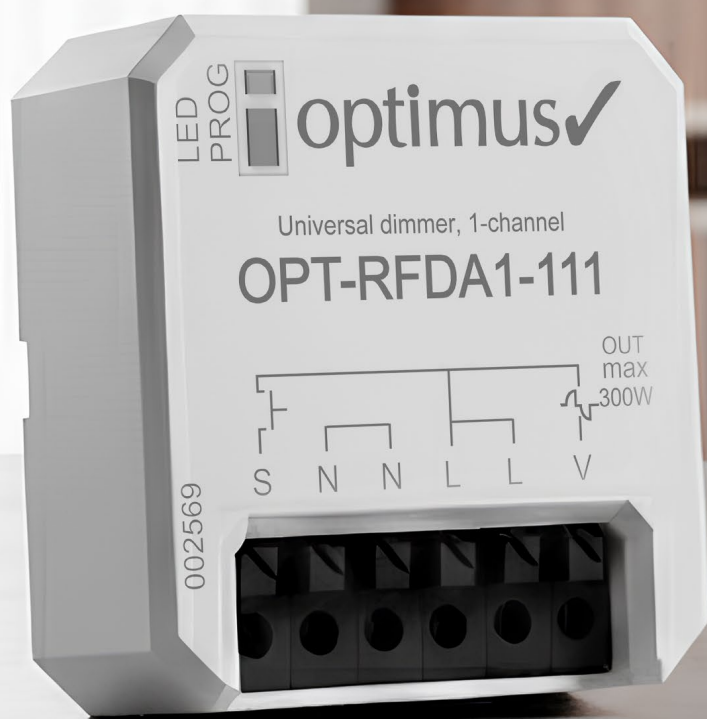
**Go to page 67 for technical details.**

## Wireless to DALI Link

**4-Address Support**

**Retrofit Integration**





# Dimming Actuator

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The OPT-RFDA1-111 is a wireless dimming actuator designed for smooth control of lighting levels. It allows users to adjust brightness wirelessly, creating the perfect ambience in residential or commercial spaces.

Thanks to reliable wireless communication and scene support, the dimmer can be easily integrated into automation setups without rewiring. Compact design makes it suitable for retrofit applications.

**Go to page 67 for technical details.**

## Smooth Light Control

**Retrofit Friendly**

**Scene Integration**



# Flood Detector

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The OPT-RFWL-111 protects properties from potential water damage by detecting leaks early and sending immediate alerts. It ensures fast response to critical situations, helping prevent costly repairs.

As a wireless device, it can be installed in kitchens, bathrooms, or technical rooms without wiring. Its compact and reliable design makes it a valuable safety component in any smart building.

**Go to page 68 for technical details.**

## Liquid Leak Detection

**Early Warning Alerts**

**Compact Housing**



# Input Converter

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The OPT-RFUI4-111 provides four universal inputs for connecting traditional push buttons or sensors to the Optimus Wireless system. By converting their signals into wireless communication, it allows legacy devices to be part of smart automation.

Its compact design enables easy installation in junction boxes, making it a flexible choice for upgrades and mixed installations.

**Go to page 68 for technical details.**

**Push Button/Sensor Link**

**4 Universal Inputs**

**Compact Size**







# Shutter Actuator

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The OPT-RFJA-111 is a wireless shutter actuator designed for effortless control of blinds, shutters, and shades. By eliminating the need for physical wiring, it provides installers and users with greater flexibility, making it ideal for retrofit applications and spaces where running cables is impractical.

In addition to simple up/down control, the actuator can be integrated into automation scenes and schedules, ensuring comfort and energy efficiency. Its compact size and reliable wireless performance guarantee a smooth operation.

**Go to page 69 for technical details.**

**Compact Actuator Design**

**Scene and Schedule Support**

**Reliable Wireless Performance**









# Keyfob

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The OPT-RFKF6-111-BL is a portable wireless remote control that gives users quick access to their smart functions. With six programmable buttons, it can manage scenarios, lighting, shutters, or other loads from the palm of your hand.

Its small and durable design makes it easy to carry on a keychain, providing mobility and convenience. Whether used at home, in the office, or on the go, it ensures that smart control is always within reach.

**Go to page 69 for technical details.**

## 6 Programmable Buttons

## Scenario Activation

## Everyday Convenience







# Motion Detector

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The OPT-RFMD-111 motion detector enhances both comfort and safety in smart environments. By detecting movement, it can trigger lighting, HVAC, or security functions, reducing energy consumption while increasing convenience.

Its wireless design allows a quick installation without cabling, and its sensitive PIR sensor ensures accurate detection. Battery-powered and compact, it can be placed wherever it is most effective.

**Go to page 69 for technical details.**

## Motion and Presence Detection

**Easy Installation**

**Energy Saving**

# RF Gateway

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The OPT-RFSG-111 Gateway is the central hub of the Optimus wireless ecosystem, designed to connect all Optimus Wireless devices into a single, smart environment. It ensures smooth communication between shutter actuators, switches, sensors, and safety devices, creating a complete wireless automation solution without additional cabling.

Operating on secure long-range RF, the gateway guarantees stable and reliable performance. It also acts as the bridge between Optimus Wireless devices and the mobile application, enabling centralized control, remote monitoring, and easy expansion of wireless systems.

**Go to page 70 for technical details.**

**Long-Range Coverage**

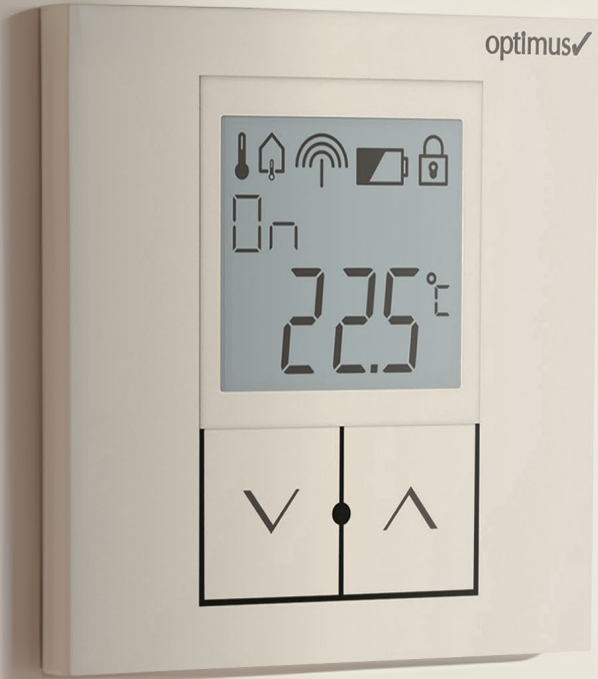
**Central Device Link**

**Mobile App Control**





WIRELESS 



# RTC

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The OPT-RFTC-111 is a wireless temperature system controller designed to provide precise climate management in smart environments. It continuously measures room temperature and communicates wirelessly with actuators to maintain the desired comfort level.

As part of the Optimus Wireless ecosystem, it can operate as a stand-alone controller or be integrated via the Wireless Gateway for centralized supervision. Its wireless design makes it perfect for retrofits and flexible installations where wired thermostats are not practical.

**Go to page 70 for technical details.**

**Precise Room Regulation**

**Stand-Alone or Gateway Mode**

**Easy Installation and Retrofitting**







# Socket

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The OPT-RFSO-111 transforms a standard socket into a smart wireless-controlled outlet. It enables switching of connected appliances or lamps with ease, adding flexibility to everyday energy management.

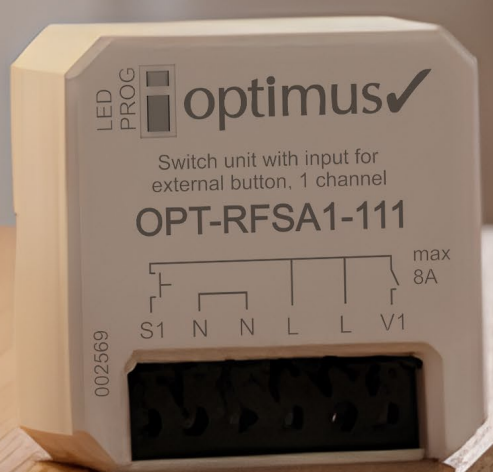
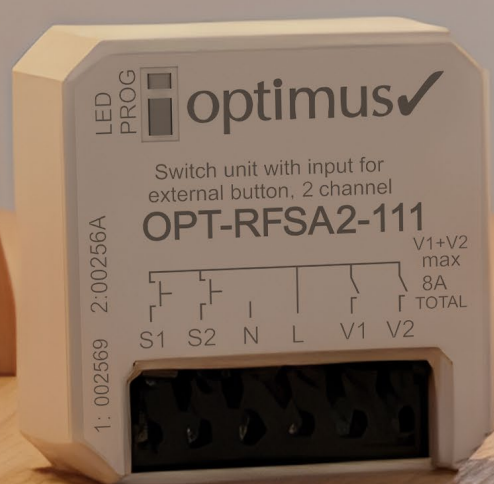
It can be controlled manually, remotely, or as part of automation scenarios. Its plug-and-play design makes it one of the simplest ways to expand a smart system.

**Go to page 70 for technical details.**

## Plug-and-Play Design

**Appliance Switching**

**Scenario Integration**



# Switching Actuator

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The OPT-RFSAx-111 provides wireless control for lighting and electrical loads, making it one of the most versatile devices in the wireless range. It allows lights or appliances to be controlled remotely or integrated into automation scenarios, giving users comfort and flexibility without the need for rewiring.

Designed for single-channel applications, it is perfect for retrofitting older buildings or extending existing systems. It combines reliable wireless operation with easy commissioning, ensuring a quick and professional setup.

**Go to page 71 for technical details.**

## Single-Channel Actuator

**Scenario Integration**

**Easy Retrofit**



# Thermovalve

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The OPT-RFTV-111 enables smart wireless control of radiators and underfloor heating valves. It offers precise temperature regulation, ensuring energy-efficient heating while maintaining a comfortable indoor climate.

The thermovalve can operate as a stand-alone device or as part of the full Optimus Wireless ecosystem managed through the gateway. Its integration capability makes it an excellent choice for modernizing heating systems without major infrastructure changes.

**Go to page 71 for technical details.**

## Thermovalve Actuator

Energy Efficiency

Room Comfort



# Window-Door Contact

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The OPT-RFMC-111 provides real-time status monitoring of windows and doors. By reporting openings or closures to the system, it helps optimize HVAC usage, improving energy efficiency and security.

Its discreet design makes it easy to mount on any frame, and the wireless connection ensures flexible placement without structural modifications. This device adds both safety and comfort to smart homes and offices.

**Go to page 71 for technical details.**

## Wireless Communication

Energy Optimization

Compact Design







# Technical Specifications



## EDGE Automation Switch Series



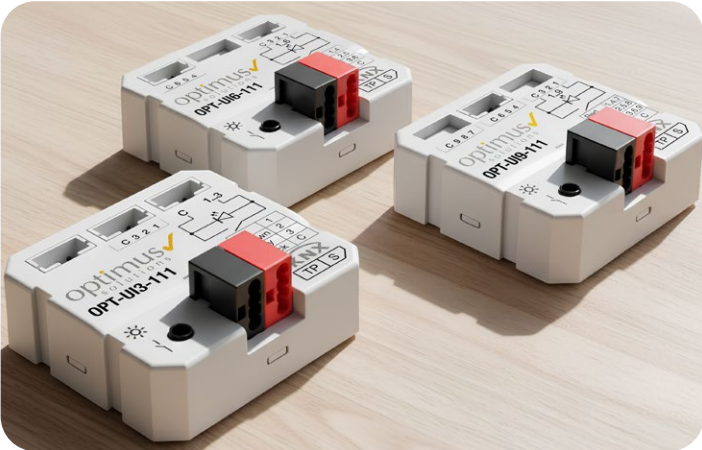
<b>Supply Voltage</b>	21-30 VDC
<b>KNX Current Consumption</b>	12 mA
<b>Mounting</b>	Flush on standard bounting box
<b>Housing and Protection Class</b>	ABS V2, IP20
<b>Dimensions</b>	80 x 80 x 35 mm 80 x 120 x 35 mm 80 x 160 x 35 mm
<b>Weight</b>	80 x 80: 85 g net, 122 g gross 80 x 120: 113 g net, 160 g gross 80 x 160: 142 g net, 200 g gross
<b>Temperature Range</b>	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C

## EDGE Touch Panel



	<b>EDGE 1.1 10"</b>	<b>EDGE 1.1 8"</b>
<b>CPU</b>	Quad Core ARM Cortex A35 @1.3 GHz	Quad Core ARM Cortex A35 @1.3 GHz
<b>Operating System</b>	Android 8.1	Android 8.1
<b>Screen Size</b>	10.1"	8"
<b>Microphone</b>	1 with Echo Cancellation	1 with Echo Cancellation
<b>Speakers</b>	2x8 Ohm – 2 Watts	2x8 Ohm – 2 Watts
<b>Input</b>	5 Digital Inputs	5 Digital Inputs
<b>KNX Bus Connection</b>	KNX-TP / KNX-IP	KNX-TP / KNX-IP
<b>LAN</b>	1	1
<b>IOT Integration</b>	IFTT, Amazon Alexa, Google Home, Siri	IFTT, Amazon Alexa, Google Home, Siri
<b>Intercom Standard</b>	SIP 2.0 P2P	SIP 2.0 P2P

Universal Interface



Supply Voltage	KNX 30 VDC
KNX Current Consumption	8 mA
Mounting	Interior
Number of Channels	3, 6 and 9
Input Functions	Value Sender Dimmer Shutter Counter
Output Functions	LED ( 3.3 VDC 2 mA )
Dimensions	38 x 41 x 14 mm
Cable Length	Maximum 100 m
Temperature Range	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C

Combined Actuator



Supply Voltage	KNX 30 VDC
KNX Current Consumption	Max. 10 mA
Mounting	DIN Rail
Number of Output	4, 8, 12, 16, 20 or 24
Output Switching Currents	16A 277 VAC
Temperature Range	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C

Variant	Dimensions	3- Speed Fan Coil Controller	3- Speed Fan Coil Controller	3- Point Valve Controller	Shutter Control	Switch/Valve Control
OPT-CA4-211	54 x 92 x 64 mm (3 MW)	1	1	2	2	4
OPT-CA8-211	90 x 92 x 64 mm (5 MW)	2	2	4	4	8
OPT-CA12-211	108 x 92 x 64 mm (6 MW)	3	3	6	6	12
OPT-CA16-211	144 x 92 x 64 mm (8 MW)	4	4	8	8	16
OPT-CA20-211	198 x 92 x 64 mm (11 MW)	5	5	10	10	20
OPT-CA24-211	198 x 92 x 64 mm (11 MW)	6	6	12	12	24



<b>Supply Voltage</b>	KNX 30 VDC
<b>KNX Current Consumption</b>	10 mA
<b>Sensor Type</b>	PIR, brightness, temperature, humidity, VOC
<b>Mounting</b>	Surface or Flush Mounting
<b>Mounting Height</b>	2,5 - 4 m ( Standard, Wide and Corridor ) 9-12 m ( High-Bay )
<b>Brightness Measurement</b>	10-1000 Lux
<b>Temperature Range</b>	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C

	<b>OPT-MSS-21x</b>	<b>OPT-MSW-21x</b>	<b>OPT-MSH-21x</b>	<b>OPT-MSC-21x</b>
<b>Dimensions (mm x mm x mm)</b>	29 x 45 x 78	29 x 45 x 78	37 x 52 x 78	29 x 45 x 78
<b>Weight (net g x gross g)</b>	53 x 91	53 x 91	56 x 94	53 x 91
<b>Mounting Height (m)</b>	2,5 - 4	2,5 - 4	9 - 12	2,5 - 4
<b>Seated Person Detection Distance (diameter in m)</b>	4 - 6	15 - 20	14 - 20	
<b>Walking Person Detection Distance (diameter in m)</b>	10 - 12	24 - 30	23 - 30	22 - 35 Long 4 - 6 Short

## Power Supply



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



# PWM LED Driver



Supply Voltage	KNX 30 VDC
KNX Current Consumption	Max. 10 mA
Mounting	DIN - Rail
Output Switching Currents	3A per channel, total 12A 28 VDC (max)
Temperature Range	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C
Dimension	52 x 92 x 64 mm (3 MW)
Weight	Net: 112 g Gross: 140 g

# Digital Input Device



Supply Voltage	KNX 30 VDC
KNX Current Consumption	8 mA
Mounting	DIN - Rail
Number of Outputs	4 and 8 ch for 230V AC/DC 6 and 12 ch for Dry Contact
Input Functions	Value Sender Dimmer Shutter Counter
Dimension	4 and 6 ch: 52 x 92 x 64 mm (3 MW) 8 and 12 ch: 90 x 92 x 64 mm (5 MW)
Weight	4-ch: 105g net, 130g gross 6-ch: 107g net, 132g gross 8-ch: 153g net, 185g gross 12-ch: 155g net, 187g gross
Temperature Range	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C

## KNX IP Router Secure



<b>Supply Voltage</b>	KNX 30 VDC
<b>KNX Current Consumption</b>	20 mA - KNX Bus
<b>Mounting</b>	DIN - Rail
<b>Ethernet Specifications</b>	100BaseT (100 Mbit/s)
<b>Supported Protocols</b>	ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP, Auto IP
<b>KNX Specifications</b>	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
<b>Temperature Range</b>	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C
<b>Dimensions</b>	18 x 92 x 64 mm (1 MW)

## KNX TP Line Coupler



<b>Supply Voltage</b>	KNX 30 VDC
<b>KNX Current Consumption</b>	5 mA on main line, 3 mA on sub line
<b>Mounting</b>	DIN - Rail
<b>Connection</b>	KNX TP
<b>KNX Specifications</b>	Extended filter table for main group: 0...31 Max. APDU Length: 55
<b>Temperature Range</b>	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C
<b>Dimensions</b>	18 x 92 x 64 mm (1 MW)

## KNX AC Gateway



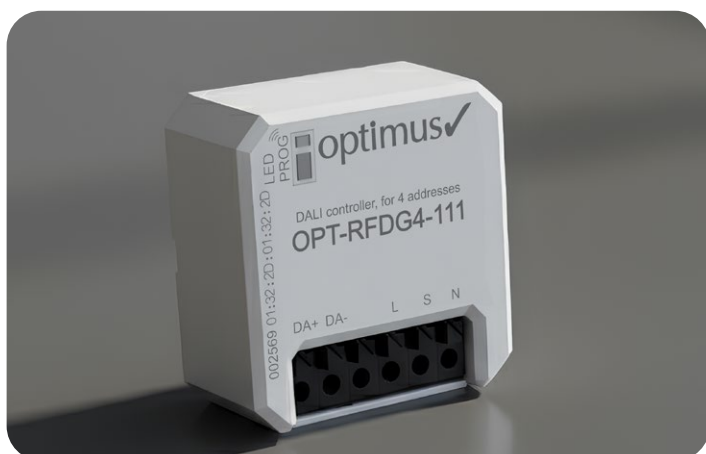
<b>Supply Voltage</b>	KNX 30 VDC	<b>Cable Length</b>	Max 100 m
<b>KNX Current Consumption</b>	Max. 10 mA	<b>Temperature Range</b>	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C
<b>Mounting</b>	Interior	<b>Dimensions</b>	66 x 66 x 21,5 mm

## Logic Module



<b>Supply Voltage</b>	KNX 30 VDC
<b>KNX Current Consumption</b>	8 mA
<b>Mounting</b>	Interior
<b>Functions</b>	Inactivity, Filter/Delay, Preset, Logic Gates (AND, OR, XOR, XNOR, NAND, NOR), Gate, Min/Max Comparator, Threshold, Comparator, Data Parser, Multiplexer, Demultiplexer, Staircase and Scenario Controller
<b>Dimension</b>	38 x 41 x 14 mm
<b>Temperature Range</b>	Operation: -5 °C to +45 °C Storage: -25 °C to +55 °C

## DALI Converter



<b>Supply Voltage</b>	100-230 VAC / 50-60 Hz
<b>Connection</b>	4-wire, L, N, DA+, DA-
<b>Wireless Frequency</b>	866-922 MHz
<b>Range</b>	up to 200 m
<b>Number of DALI Devices</b>	Max. 4
<b>Dimensions</b>	43 x 44 x 22 mm
<b>Temperature Range</b>	Operation: -15 °C to +50 °C Storage: -15 °C to +50 °C

## Dimming Actuator



<b>Supply Voltage</b>	230 VAC / 50-60 Hz	<b>Operating Temperature</b>	-15 °C to + 45 °C
<b>Connection</b>	4-wire with neutral	<b>Output</b>	Dimmed Load: R, L, C, LED, ESL
<b>Wireless Frequency</b>	866-922 MHz		Contactless: 2 x MOSFET
<b>Range</b>	up to 200 m	<b>Dimensions</b>	43 x 44 x 22 mm
<b>Load Capacity</b>	max. 300 W	<b>Weight</b>	30 g



# Flood Detector

WIRELESS 



Power Supply	2x 1.5V AAA batteries
Battery Life @ 12H freq	3 years
Mounting	Loose
Alarm Type	Optical and Audible
Detection Principle	Contact between sensor and liquid
Response Time	2 s
Wireless Range	up to 160 m
Weight	Ø89 x 23 mm
Response Time	92 g
Temperature Range	Operating: 0 °C to +50 °C Storage: -20 °C to +60 °C

# Input Converter

WIRELESS 



Power Supply	1x 3V battery CR 123A
Battery Life @ 12H freq	up to 8 years
Mounting	Free at lead-in wires
Number of Inputs	4
Contact Voltage	3V
Cable Length	max. 5 m
Wireless Range	up to 200 m
Dimension	43 x 44 x 22 mm
Weight	37 g
Temperature Range	Operating: -10 °C to +50 °C Storage: -20 °C to +60 °C

# Shutter Actuator

WIRELESS 



Power Supply	230 VAC / 50-60 Hz
Output Contacts	2x switching
Rated/Peak Current	8A / 10A
Switching Power/Voltage	2000 VA / 250 VAC
Mechanical Life	up to 10 million switches
Dimensions	43 x 44 x 22 mm
Weight	45 g
Temperature Range	Operating: -15 °C to +50 °C Storage: -25 °C to +70 °C

# Keyfob

WIRELESS 



Power Supply	3V CR 2032
Battery Life	Around 5 years
Number of Buttons	6
Indication of Transmission	red LED
Wireless Range	up to 200 m
Dimensions	64 x 25 x 10 mm
Weight	16 g
Temperature Range	Operating: 0 °C to +50 °C Storage: -20 °C to +60 °C

# Motion Detector

WIRELESS 



Power Supply	2x 1.5V AA batteries	Working Height	max 2.5 m
Battery Life	up to 1 year	Dimension	ø95 mm x 30 mm
Detection Angle	110°	Weight	113 g
Detection Distance	max 9.5 m	Temperature Range	Operating: -10 °C to +50 °C Storage: -20 °C to +60 °C

# RF Gateway

WIRELESS 



Power Supply	Plug 10-27 VDC or USB-C 5 VDC
Wi-Fi Range	up to 100 m
Wireless Range	up to 200 m
Weight	92 g
Dimensions	ø 95mm x 25 mm
Temperature Range	Operating: -20 °C to +50 °C Storage: -25 °C to +70 °C

# RTC

WIRELESS 



Power Supply	2x 1.5 V AAA batteries
Battery Life	up to 1 year
Temperature Range	0 to +55°C (0.3°C accuracy range)
Wireless Range	up to 100 m
Dimensions	85 x 85 x 20 mm
Weight	66 g
Temperature Range	Operating: -20 °C to +50 °C Storage: -25 °C to +70 °C

# Socket

WIRELESS 



Power Supply	230 VAC / 50-60 Hz	Wireless Range	up to 200 m
Output Contacts	1x switching	Dimensions	63 x 110 x 74 mm
Rated/Peak Current	16A / 30A	Weight	129 g
Switching Power/Voltage	4000 VA / 250 VAC	Temperature Range	Operating: -15 °C to +50 °C Storage: -25 °C to +70 °C
Mechanical Life	up to 10 million switches		



# Switching Actuator

WIRELESS 



Power Supply	230 VAC / 50-60 Hz
Output Contacts	1X or 2x switching
Rated/Peak Current	8 A / 110A
Switching Power/Voltage	2000 VA / 250 VAC
Mechanical Life	up to 10 million switches
Number of Functions	6
Wireless Range	up to 200 m
Dimensions	43 x 44 x 22 mm
Weight	31 g / 45 g
Temperature Range	Operating: -15 °C to +50 °C Storage: -25 °C to +70 °C

# Thermovalve

WIRELESS 



Power Supply	2x 1.5V AA batteries
Battery Life	up to 1 year
Wireless Range	up to 200 m
Dimensions	52 x 52 x 70 mm
Protection	IP40
Thermovalve Nuts	M30 x 1.5
Temperature Range	Operating: 0 °C to +50 °C Storage: -25 °C to +70 °C

# Window-Door Contact

WIRELESS 



Power Supply	1x 3V CR2032	Wireless Range	up to 200 m
Battery Life	up to 1 year	Protection	IP20
Dimensions	25 x 72 x 16 mm 15 x 75 x 14 mm	Temperature Range	Operating: -10 °C to +50 °C Storage: -25 °C to +70 °C







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