Panasonic

Thea IQ

GENERAL CATALOGUE

THEA IQ HOME AUTOMATION SYSTEMS

KNX

Panasonic

. Thea IQ brings comfort, convenience, and realizes luxurious life.
. Maximizes the energy efficiency to be eco-friendly to the environment.
. Gives flexibility to provide safety and to meet various needs.

- Illumination
- Monitoring Systems
- Roller Blind - Curtain
- Remote Access
- Security Systems
- Intercom
- Heating, Ventilation, Air Conditioning Control

With its Thea IQ Home Automation Systems, Panasonic continuously develops its range of solutions and products, and manufactures systems in line with KNX, one of the world's open standard for the control in both commercial and residential buildings.

From illumination, air conditioning and blind-shutter control to integration of security systems in a building or flat, Panasonic Thea IQ offers versatile solutions. While the system can be programmed in line with your requirements and the equipment of your building, you can always make additions and modifications in time as per newly arising needs.

Panasonic Thea IQ enables you to control comfort, energy saving, safety and security systems in any kind of building. It can be controlled either fully automatically or if you wish, centrally right from your desk, and even by your smartphone from outdoors.

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User Benefits

Comfort & Convenience

Step into a much smarter life...
Thea IQ combines technology with human touch and realizes more comfortable and convenient life space.

- By pushing the switches, all lights can be turned on and off.
- If you forget to turn the lights off, you are able to turn them off using your smartphone from outside.
- Various types of dimming controls will make your living space more comfortable.
- Time control function can also be realized to turn the lights on/off automatically when the time comes.
- With the presence sensors, lights can be automatically turned on.

Energy Efficiency

What makes a building "smart"?
A smart building is based on consuming the right energy at the right time.
Thea IQ is an eco-friendly system and optimizes and minimizes energy usage.

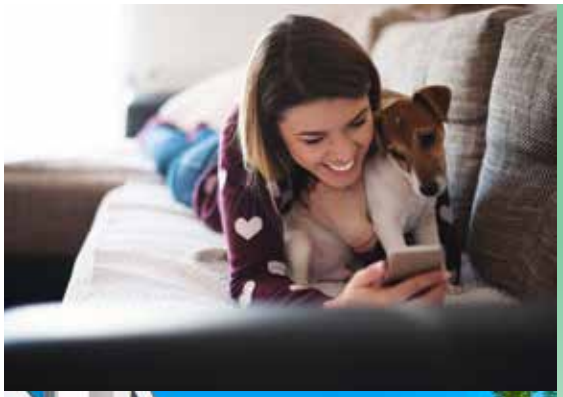
- Sensors will save energy by turning the light off automatically.
- By setting the thermostat, temperatures are adjusted automatically so that room conditions can be maintained.
- Blind control function can support the temperature change that comes from sun position according to your windows.

Luxury

Beyond Luxury... It's Thea IQ.

Who wouldn't want their home to be more relaxing, peaceful and comfortable? Set your imagination free and meet Thea IQ and its high class atmosphere.

- Variety switch plate matches any kind of living space.
- TheaIQ supports the DALI (Digital Addressable Lighting Interface) to provide flexible lighting fixture control.
- With the interface that you can install in your smart phone or tablets, you may remotely connect to your Thea IQ Touch Panel.



Security & Flexibility

Safety is first...

No more "Have I left anything on at home?" worries... Thea IQ will also provide safe and secure environment.

- Stream video of IP camera can be shown on your touch panel. For instance, lobby could be checked from your room.
- If you have an adapted door/window opening sensor, TheaIQ will remind you the door/window still open.
- Sensor also inform you the occurrence of defect like smoke or burglar.

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User Interface

Now all buildings are smarter with Thea IQ Switches...

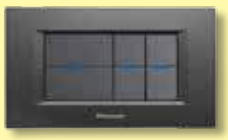
From illumination, air conditioning and blind-shutter control to integration of security systems, Thea IQ offers versatile solutions for residences as well as hotels, school buildings, hospitals and business centers. It can be used in perfect harmony with the enriched color and frame types of Panasonic Modular Series.

Thermostat with KNX switches
Inox

KNX switches
Light green

Red claret

Inox



Black

Frame

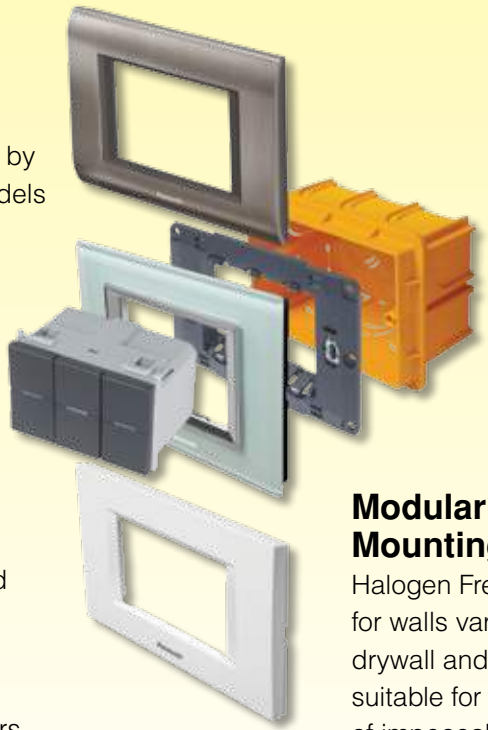
An exclusive and rich range of modular frame options provided by Ultima, Sistema and Optima models steer the decorations.

Cover Plate / Rocker

Different colored switching modules are distinctively combined in Italian style to appeal to those having a hard time to choose.

Modular Mechanism

Modular mechanisms developed for switch, socket, TV/DATA, dimmer, electronic products depending on use serve for the maximum satisfaction of the users.



Modular Wallbox and Mounting Frames

Halogen Free modular boxes suitable for walls varying as concrete and drywall and mounting frames suitable for use draw the borders of impeccability of modular series.

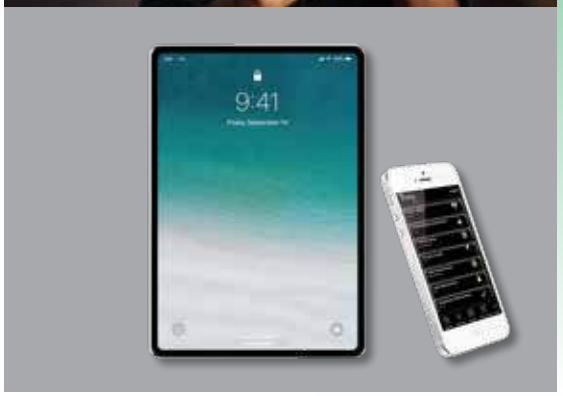
Specifications are subject to change without notice.

Thea IQ Touch Panel

Stylish and functional...
It's Thea IQ Touch Panel

Everything is at the fingertips with Thea IQ Touch Panel. Thea IQ Touch Panel is designed as wall mounted tablet PC for home automation systems. It allows you to control each point of your home automation system from the interfaces customizable to the user's request. With its interface that you can install in mobile phone or smart tablet, you may remotely connect to your panel, and perform control and imaging.

- KNX devices can be controlled via touch panel
- Connection with CCTV
- Scene control
- Connection with mobile phone and tablet



Remote Access

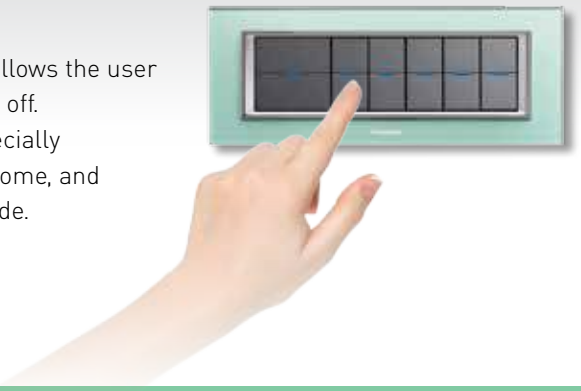
Everything is under control...

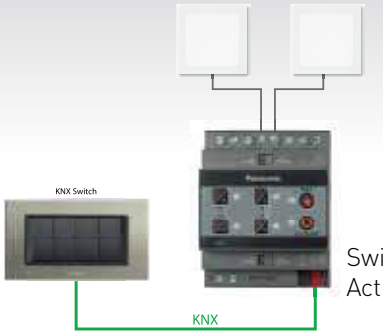
Smartphone can be used as a remote controller to activate lightings, blinds, and HVAC systems. Also access from the outside is possible to turn on/off the lights, as well as controlling HVAC systems to make your return more comfortable than ever.

Basic Functions

ALL ON/OFF

All on and off switch allows the user to turn all lights on or off.
This can be used especially when you leave your home, and come back from outside.





Switching / Blind Actuator

DIMMING CONTROL

Several different controlling options can be used to to dim the lighting including 1-10V and DALI.
A DALI-Gateway serves as the interface between the KNX installation in the building and the digital DALI lighting control system, and therefore unites the two most important building automation standards.

Thea IQ combines technology with human touch...

SCENE LIGHTING

Using lighting scenes in a smart lighting or home automation system simplifies your routine by allowing you to activate multiple settings with one-button.

SENSOR & TIMER CONTROL

Sensors and timer control provides energy saving features and automatic control options for lighting control systems.

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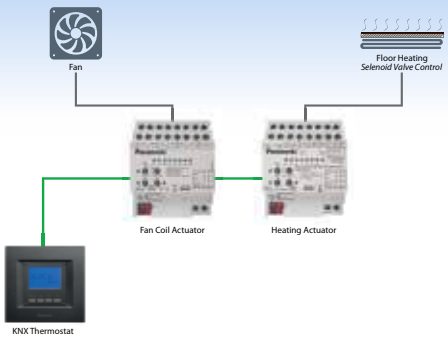
HVAC Control



Panasonic Thea IQ provides efficient heating/ventilation systems...

TEMPERATURE CONTROL OF THE ROOM CAN BE DONE INDIVIDUALLY USING THERMOSTAT

By setting the suitable temperature into your thermostat, thermostat will activate accordingly to control your HVAC (Heating, Ventilation, Air Conditioning) system.

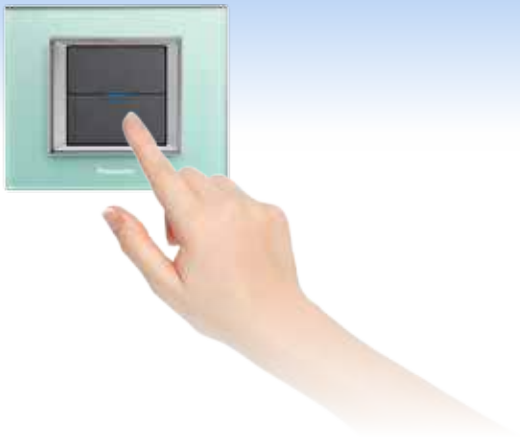
PLEASANT VENTILATION

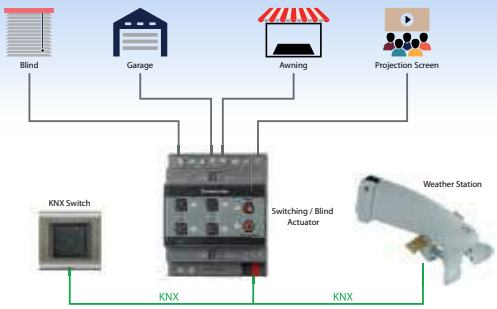
Improves the air quality of the room by activating ventilation using the presence detectors information.

SENSOR & TIMER CONTROL

By using the information of the presence detector, weather station, and timer control, your room can be controlled more efficiently under different environments and settings.

Blind Control





Utilizing the ambient environment, shades and slats are automatically controlled

CONTROL NATURAL LIGHTING

Roller shutters, blinds, and curtains can be controlled to prevent the room temperature to rise caused by the sunlight. Also by controlling the repositioning of the slats, this could also help decrease the brightness of the natural lighting.

SCENE CONTROL

Curtain / Shutter control provides comfort with simultaneous control of several engines as well as privacy, security and efficient lighting control. Thanks to Day Mode and Night Mode, the system can be arranged to open and close with sunrise and sunset.

SENSOR & TIMER CONTROL

By using the information of the presence detector, weather station, timer control and sun protection can be realized which should make your room more comfortable. Besides, it contributes to energy saving especially in commercial buildings and buildings with glass facade. It prevents the sunlight from entering inside with automated activation of the curtains or sun blinds through the data received from outdoor sensors and ensures that air-conditioners run more efficiently, consume less energy, and decreases the maintenance cost of less-operating cooling systems in long-term.

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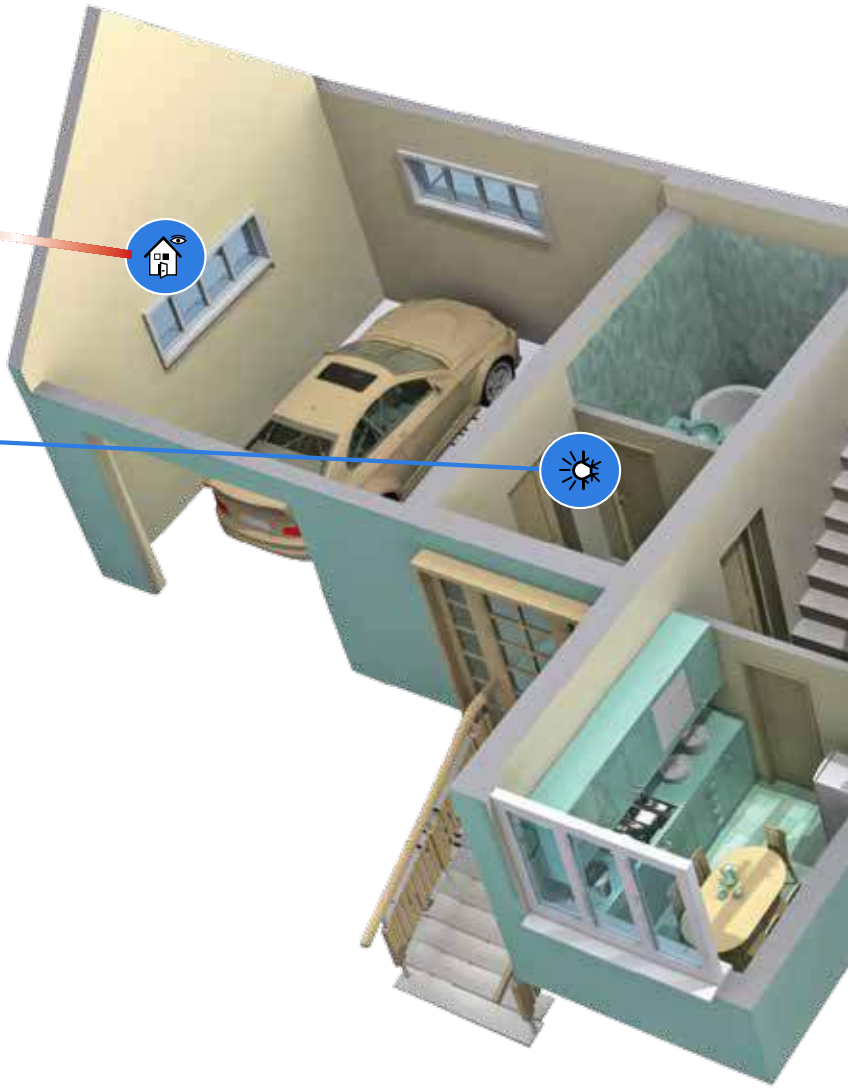
Create your own world with Panasonic Thea IQ...

Security

- Connection with CCTV
- Connection with sensor

HVAC

- Room temperature control
- Pleasant ventilation
- Sensor & timer control



Illumination

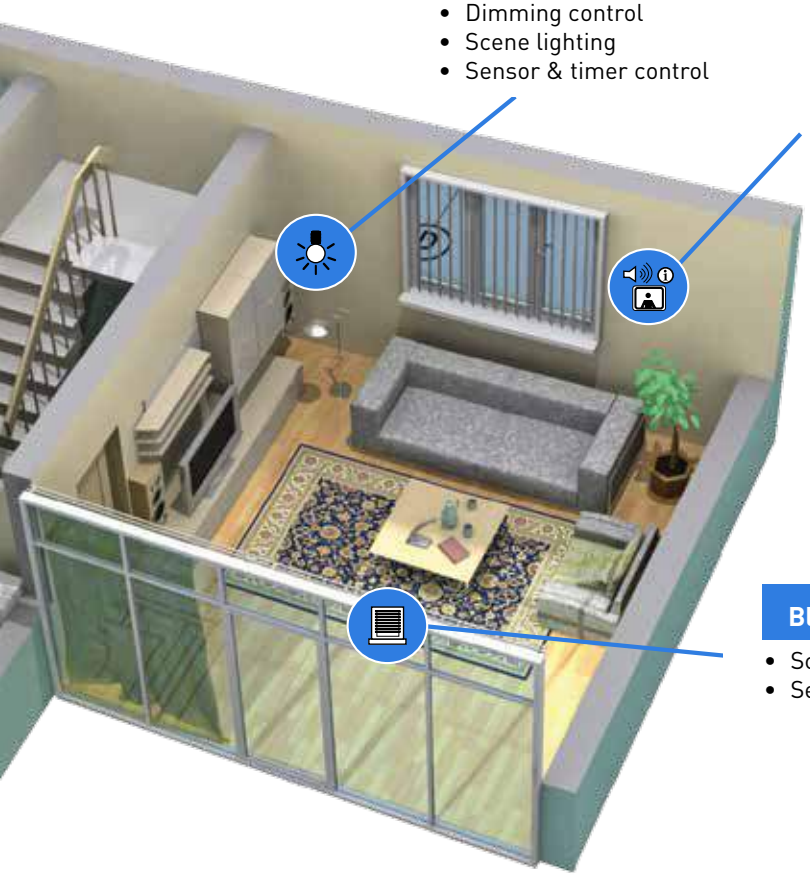
Roller Blind - Curtain

Security Systems

Heating, Ventilation, Air Conditioning Control

Monitoring Systems

Remote Access



Lighting Control

- All on / off
- Dimming control
- Scene lighting
- Sensor & timer control

Connection with mobile

- Smartphone
- Tablet

Internet

Automations / Remote Accsess

- Logical Functions
- Timed Functions
- System Supervision
- Remote Control

Blind

- Scene control
- Sensor & timer control

Intercom

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Product range of THEA IQ

Page 16-19

Touch Panel

Page 20-41

Switch

Page 42-49

Power Supply & Interface

Page 50-57

Actuator

Page 58-63

Sensor & Detector

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Thea IQ 10.1” TOUCH PANEL

Smart Building Functions

Manage your smart building remotely if you wish.
In home and office spaces and galleries and general sites, you can centrally manage all of the smart home / smart building / automation functions from a single point. Control points can be located in screen as sketch, picture of the location or grid. Therefore a user-friendly interface provides ease of use for all ages. All of these functions can be utilized even from a distance by your mobile phone.

• Illumination • Dimming • Curtain - Shutter • Thermostat • Alarm - Security

Compose your own scenarios.
You can assign smart home functions to a single button, using Thea IQ scenario editor, and activate the scenario with one touch. You can fictionalize time-dependent scenarios. It is possible to compose personal scenarios such as turn off the whole lighting system every evening at 11:30 p.m. turn on garden lightning every evening at 6:00 p.m. and turn off it every morning at 6:30 a.m.

Camera Display

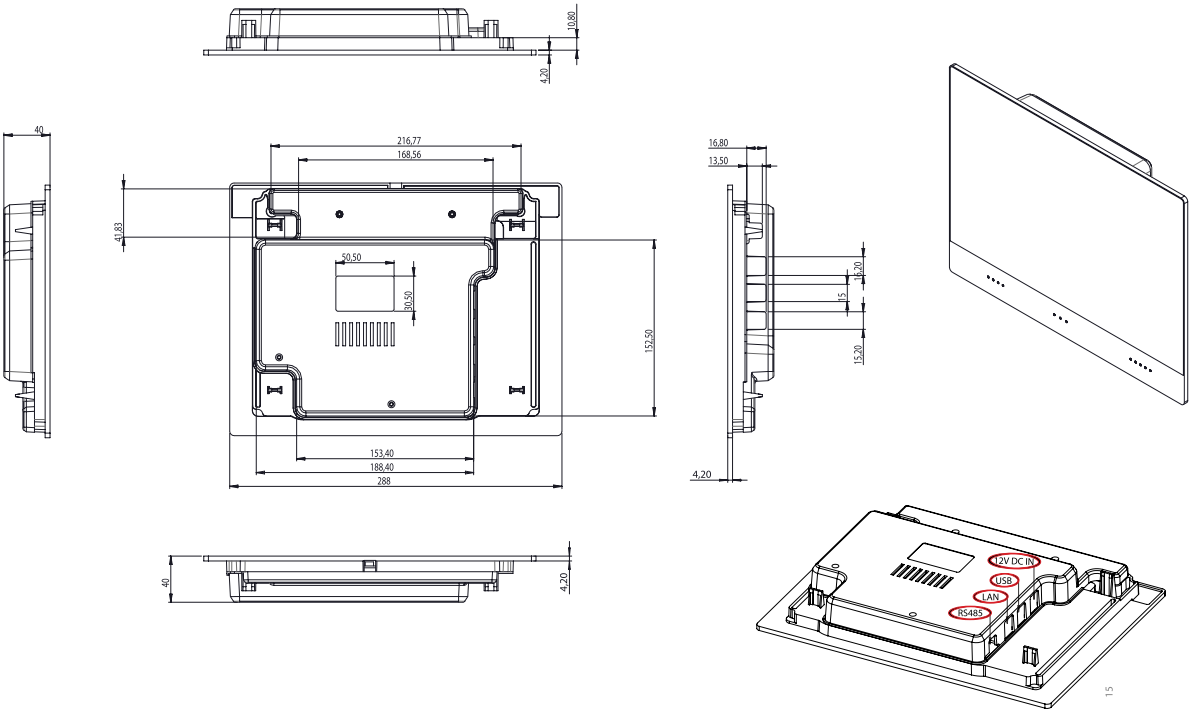
Monitor your cameras instantly.
Images of IP cameras within the same network can be monitored live. After a proper IP configuration, footage can be displayed from your mobile phone or your tablet.

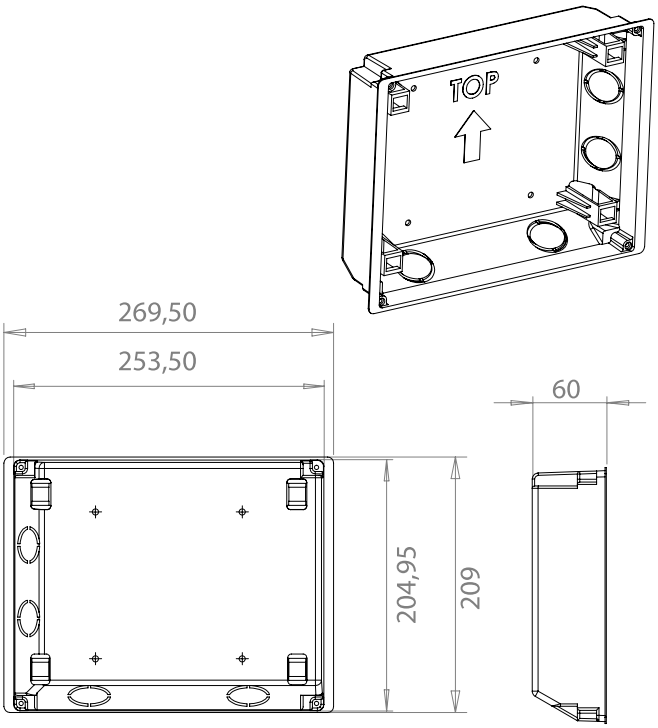
Alarm and Security

Use your own security system.
You can use indefinite security system without fee by adding products such as smoke detector, gas leak detector, flood detector and magnetic gate detector to system. It is possible to activate alarm before leaving home and then deactivate it with your personal password. In case of any alarm, the screen starts to give siren sound and security staff of the housing estate is warned. The relevant settings are sent to your mobile phone or tablet and shared as notification. In case of a proper configuration in your system, electricity, gas and water can be cut automatically. Past alarm notifications are recorded and can be monitored.

*The brand of the Thea IQ Touch Panel is “VİKO by Panasonic”.
“VİKO by Panasonic” is the brand of Panasonic Life Solutions Elektrik San. ve Tic. A.Ş.

DIMENSIONS





Wall Mounting Box

TECHNICAL DATA

Operating voltage	12 – 30 DC
Power Consumption	6.5W 600mAh
Processor	Quad-core Rockchip, the highest frequency 1.2GHz
Screen	1280 x 800 IPS Screen 300 Cd/m²
Interfaces	Ethernet / Wi-Fi, RS-485, 1xUSB Host
Front Unit	10" – 0.45 cm
Resolution (in Pixel)	1280 x 3(RGB) x 800
Method of operating	Capasitive Multi Touch
Acceptable temperature	-20°C ... +65°C
Speaker/ Amplifier	8 ohm,2W 2*Speaker Stereo

PRODUCT CODES

PRODUCT	PRODUCT CODES
THEA IQ 10.1" TOUCH PANEL	90992392
THEA IQ 10.1" TOUCH PANEL ASSEMBLY BOX (M1)	90992391

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TOUCH PANEL
MASTER I/O

Thea IQ Master I/O KNX Module

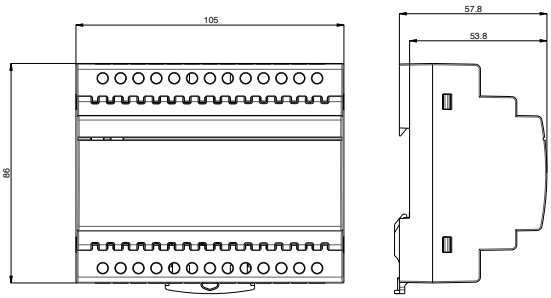
MAIN FEATURES

KNX Master Gateway converter is designed to convert RS485 to KNX/EIB for a smart home control system. It is full dublex and two-way communication (transfer and receive function work together). Through the KNX/EIB RS485 converter to connect the 485 bus system with the EIB bus system into a whole. The device on the 485 bus sends a telegram to converter according to the predefined protocol, and then the converter will the telegram convert to KNX/EIB telegram that can be sent on the EIB bus, so that the 485 device can control the KNX device on the EIB bus. It provides four digital input channels for smoke detector, fire/gas sensor, flash flood etc. However, there are four outputs to control the solenoid valves in the heating and cooling systems and cut the general energy. Via the push switches present on the device, the load connected to outputs can be controlled. This manual control has priority over the commands from the bus KNX. The button LED indicates the status of the outputs. When the green LED is on, the output relays areclosed.

TECHNICAL DATA

Operating Voltage	9-15V DC
Current	Min 0,15A - Max 0,55A
Power Consumption	1,5W
Communication Protocol	RS485 Full Dublex
KNX Operating Current	15mAh
RS485 Connection Point	Rj45 Socket - 4 pin
Input	4 Input
Input(V)	12...24V DC (Isolated)
KNX Connection	Native and Isolated
Reverse Power Protection	True
Type of Protection	IP20 - DIN Rail Mounted
Tempereture Range	Operation: -5 ... +45 °C Storage: -10.....+75 °C

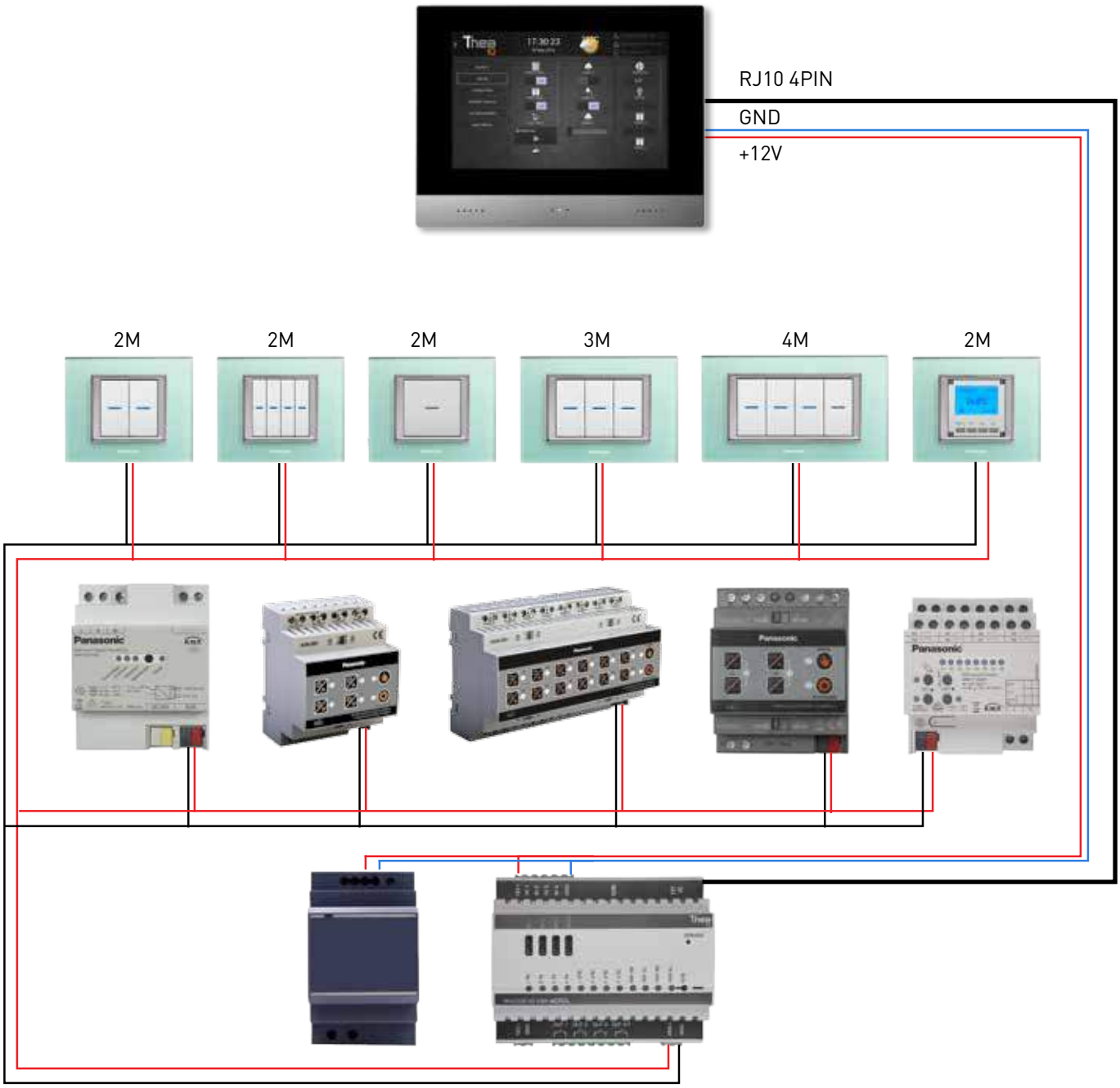
DIMENSIONS



PRODUCT CODES

PRODUCT	PRODUCT CODES
THEA IQ MASTER IO/ KNX MODULE	90992393

Thea IQ Home Automation System
Connection Diagram



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SWITCH

Modular

Panasonic

SWITCH
Push Buttons

KNX Modular Switches

KNX Modular Switch 1 Gang-2M

KNX Modular Switch 2 Gang-2M

KNX Modular Switch 3 Gang-3M

MAIN FEATURES

- For operating switching, dimming, blinds and recall/save light scene functions individually
- Can be used to send temperature, priority, percentage, HVAC operation mode value
- Scene functions can be saved by pressing 3–4 seconds if fold is programmed as recall/save light scene
- Setting of desired behaviour via long and short key depression is possible
- With LED status indication
- Can be located into all frames of Thea Modular Series; Optima, Sistema and Ultima

FUNCTIONS

- Switching
- Dimming
- Blind control
- Recall/save light scene

TECHNICAL DATA

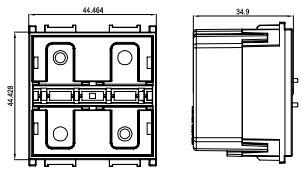
	2x1/1GANG 4x2/2GANG 6x3/3GANG
Operating voltage KNX	Bus voltage (<10 mA)
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

PRODUCT CODES

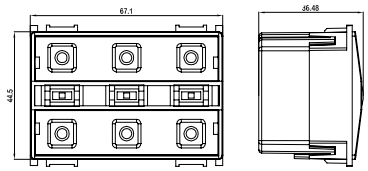
PRODUCT	PRODUCT CODES
KNX Modular Switch 1 Gang-2M	WRKT61215NC
KNX Modular Switch 2 Gang-2M	WRKT61225NC
KNX Modular Switch 3 Gang-3M	WRKT61335NC

DIMENSIONS

1 GANG (2M) / 2 GANG (2M)



3 GANG (3M)



SWITCH
Push Buttons

KNX Modular Switches

KNX Modular Switch 4 Gang-2M

KNX Modular Switch 4 Gang-4M

MAIN FEATURES

- For operating switching, dimming, blinds and recall/save light scene functions individually
- Can be used to send temperature, priority, percentage, HVAC operation mode value
- Scene functions can be saved by pressing 3–4 seconds if fold is programmed as recall/save light scene
- Setting of desired behaviour via long and short key depression is possible
- With LED status indication
- Can be located into all frames of Thea Modular Series; Optima, Sistema and Ultima

FUNCTIONS

- Switching
- Dimming
- Blind control
- Recall/save light scene

TECHNICAL DATA

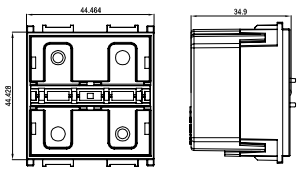
	TSA 8x4 (2M) TSA 8x4 (4M)
Operating voltage KNX	Bus voltage (<10 mA)
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

PRODUCT CODES

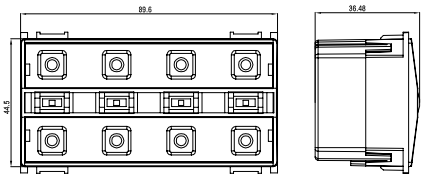
PRODUCT	PRODUCT CODES
KNX Modular Switch 2 Gang-4M	WRKT61245NC
KNX Modular Switch 4 Gang-4M	WRKT61445NC

DIMENSIONS

4 GANG (2M)



4 GANG (4M)



Panasonic

SWITCH
Frame and Cover Color Alternatives

Optima

Optima Color Alternatives

OPAQUE

OPAQUE WHITE

BEIGE

METALLIC

METALLIC WHITE

BLACK

DARK GRAY

ANTHRACITE

DORE

Frame Alternatives

2M

2/3M

3M

4M

7M

2x2M

3x2M

4x2M

SWITCH
Frame and Cover Color Alternatives

Product Codes

OPTIMA FRAMES PRODUCT CODES

COVER COLOR	2M FRAME	2/3M FRAME	3M FRAME	4M FRAME	7M FRAME
Anthracite	WVTF0840-1AN	WVTF0842-1AN	WVTF0843-1AN	WVTF0844-1AN	WVTF0847-1AN
Dore	WVTF0840-1DR	WVTF0842-1DR	WVTF0843-1DR	WVTF0844-1DR	WVTF0847-1DR
Dark Gray	WVTF0840-1DG	WVTF0842-1DG	WVTF0843-1DG	WVTF0844-1DG	WVTF0847-1DG
Beige	WVTF0840-1BG	WVTF0842-1BG	WVTF0843-1BG	WVTF0844-1BG	WVTF0847-1BG
Metallic White	WVTF0840-1MW	WVTF0842-1MW	WVTF0843-1MW	WVTF0844-1MW	WVTF0847-1MW
Opaque White	WVTF0840-1WH	WVTF0842-1WH	WVTF0843-1WH	WVTF0844-1WH	WVTF0847-1WH
Black	WVTF0840-1BL	WVTF0842-1BL	WVTF0843-1BL	WVTF0844-1BL	WVTF0847-1BL

COVER COLOR	2x2M FRAME	3x2M FRAME	4x2M FRAME
Anthracite	WVTF0848-1AN	WVTF0849-1AN	WVTF0850-1AN
Dore	WVTF0848-1DR	WVTF0849-1DR	WVTF0850-1DR
Dark Gray	WVTF0848-1DG	WVTF0849-1DG	WVTF0850-1DG
Beige	WVTF0848-1BG	WVTF0849-1BG	WVTF0850-1BG
Metallic White	WVTF0848-1MW	WVTF0849-1MW	WVTF0850-1MW
Opaque White	WVTF0848-1WH	WVTF0849-1WH	WVTF0850-1WH
Black	WVTF0848-1BL	WVTF0849-1BL	WVTF0850-1BL

Panasonic

SWITCH
Frame and Cover Color Alternatives

Sistema

Sistema Color Alternatives

METALLIC

INOX

INOX MATT

CHROME

CHROME MATT

UNA

ANTIQUE

GOLD

Frame Alternatives

2M

3M

4M

7M

2x2M

3x2M

4x2M

SWITCH
Frame and Cover Color Alternatives

Product Codes

SISTEMA FRAMES PRODUCT CODES

FRAME COLOR	2M FRAME	3M FRAME	4M FRAME	7M FRAME
Antique - Dore	WVTF1840-5AQ	WVTF1843-5AQ	WVTF1844-5AQ	WVTF1847-5AQ
Antique - Black	WVTF1840-5AY	WVTF1843-5AY	WVTF1844-5AY	WVTF1847-5AY
Chrome - Dark Gray	WVTF1840-5KF	WVTF1843-5KF	WVTF1844-5KF	WVTF1847-5KF
Chrome - Metallic White	WVTF1840-5CH	WVTF1843-5CH	WVTF1844-5CH	WVTF1847-5CH
Chrome Matt - Dark Gray	WVTF1840-5KD	WVTF1843-5KD	WVTF1844-5KD	WVTF1847-5KD
Chrome Matt - Metallic White	WVTF1840-5CM	WVTF1843-5CM	WVTF1844-5CM	WVTF1847-5CM
Gold - Dore	WVTF1840-5GL	WVTF1843-5GL	WVTF1844-5GL	WVTF1847-5GL
Gold - Black	WVTF1840-5GS	WVTF1843-5GS	WVTF1844-5GS	WVTF1847-5GS
Inox - Dark Gray	WVTF1840-5IG	WVTF1843-5IG	WVTF1844-5IG	WVTF1847-5IG
Inox - Metallic White	WVTF1840-5IN	WVTF1843-5IN	WVTF1844-5IN	WVTF1847-5IN
Inox Matt - Dore	WVTF1840-5IM	WVTF1843-5IM	WVTF1844-5IM	WVTF1847-5IM
Inox Matt - Metallic White	WVTF1840-5IB	WVTF1843-5IB	WVTF1844-5IB	WVTF1847-5IB
Una - Dark Gray	WVTF1840-5UN	WVTF1843-5UN	WVTF1844-5UN	WVTF1847-5UN
Una - Metallic White	WVTF1840-5UW	WVTF1843-5UW	WVTF1844-5UW	WVTF1847-5UW

FRAME COLOR	2x2M FRAME	3x2M FRAME	4x2M FRAME
Antique - Dore	WVTF1848-5AQ	WVTF1849-5AQ	WVTF1850-5AQ
Antique - Black	WVTF1848-5AY	WVTF1849-5AY	WVTF1850-5AY
Chrome - Dark Gray	WVTF1848-5KF	WVTF1849-5KF	WVTF1850-5KF
Chrome - Metallic White	WVTF1848-5CH	WVTF1849-5CH	WVTF1850-5CH
Chrome Matt - Dark Gray	WVTF1848-5KD	WVTF1849-5KD	WVTF1850-5KD
Chrome Matt - Metallic White	WVTF1848-5CM	WVTF1849-5CM	WVTF1850-5CM
Gold - Dore	WVTF1848-5GL	WVTF1849-5GL	WVTF1850-5GL
Gold - Black	WVTF1848-5GS	WVTF1849-5GS	WVTF1850-5GS
Inox - Dark Gray	WVTF1848-5IG	WVTF1849-5IG	WVTF1850-5IG
Inox - Metallic White	WVTF1848-5IN	WVTF1849-5IN	WVTF1850-5IN
Inox Matt - Dore	WVTF1848-5IM	WVTF1849-5IM	WVTF1850-5IM
Inox Matt - Metallic White	WVTF1848-5IB	WVTF1849-5IB	WVTF18450-5IB
Una - Dark Gray	WVTF1848-5UN	WVTF1849-5UN	WVTF1850-5UN
Una - Metallic White	WVTF1848-5UW	WVTF1849-5UW	WVTF1850-5UW

Panasonic

SWITCH
Frame and Cover Color Alternatives

Ultima

Ultima Color Alternatives

METALLIC

INOX

CHROME

GOLD

UNA

ELOXAL

SILVER

BRONZE

BLACK

GLASS

WHITE

LIGHT GREEN

CLARET RED

BLACK

WOOD

BAMBOO

WENGE

WALNUT

Frame Alternatives

2M

2/3M

3M

4M

7M

2x2M

3x2M

4x2M

SWITCH
Frame and Cover Color Alternatives

Product Codes

ULTIMA FRAMES PRODUCT CODES

FRAME COLOR	2M FRAME	2/3M FRAME	3M FRAME	4M FRAME	7M FRAME
WOOD - Walnut	WVTF2840-5WW	WVTF2842-5WW	WVTF2843-5WW	WVTF2844-5WW	WVTF2847-5WW
WOOD - Wenge	WVTF2840-5WV	WVTF2842-5WV	WVTF2843-5WV	WVTF2844-5WV	WVTF2847-5WV
WOOD - Bamboo	WVTF2840-5WB	WVTF2842-5WB	WVTF2843-5WB	WVTF2844-5WB	WVTF2847-5WB
ELOXAL - Silver	WVTF2840-5AS	WVTF2842-5AS	WVTF2843-5AS	WVTF2844-5AS	WVTF2847-5AS
ELOXAL - Bronze	WVTF2840-5AR	WVTF2842-5AR	WVTF2843-5AR	WVTF2844-5AR	WVTF2847-5AR
ELOXAL - Black	WVTF2840-5AB	WVTF2842-5AB	WVTF2843-5AB	WVTF2844-5AB	WVTF2847-5AB
GLASS - White	WVTF2840-5GW	WVTF2842-5GW	WVTF2843-5GW	WVTF2844-5GW	WVTF2847-5GW
GLASS - Light Green	WVTF2840-5GG	WVTF2842-5GG	WVTF2843-5GG	WVTF2844-5GG	WVTF2847-5GG
GLASS - Claret Red	WVTF2840-5GC	WVTF2842-5GC	WVTF2843-5GC	WVTF2844-5GC	WVTF2847-5GC
GLASS - Black	WVTF2840-5GB	WVTF2842-5GB	WVTF2843-5GB	WVTF2844-5GB	WVTF2847-5GB
METALLIC - Chrome	WVTF2840-5MC	WVTF2842-5MC	WVTF2843-5MC	WVTF2844-5MC	WVTF2847-5MC
METALLIC - Inox	WVTF2840-5MI	WVTF2842-5MI	WVTF2843-5MI	WVTF2844-5MI	WVTF2847-5MI
METALLIC - Gold	WVTF2840-5MG	WVTF2842-5MG	WVTF2843-5MG	WVTF2844-5MG	WVTF2847-5MG
METALLIC - Una	WVTF2840-5MU	WVTF2842-5MU	WVTF2843-5MU	WVTF2844-5MU	WVTF2847-5MU

FRAME COLOR	2x2M FRAME	3x2M FRAME	4x2M FRAME
WOOD - Walnut	WVTF2848-5WW	WVTF2849-5WW	WVTF2850-5WW
WOOD - Wenge	WVTF2848-5WV	WVTF2849-5WV	WVTF2850-5WV
WOOD - Bamboo	WVTF2848-5WB	WVTF2849-5WB	WVTF2850-5WB
ELOXAL - Silver	WVTF2848-5AS	WVTF2849-5AS	WVTF2850-5AS
ELOXAL - Bronze	WVTF2848-5AR	WVTF2849-5AR	WVTF2850-5AR
ELOXAL - Black	WVTF2848-5AB	WVTF2849-5AB	WVTF2850-5AB
GLASS - White	WVTF2848-5GW	WVTF2849-5GW	WVTF2850-5GW
GLASS - Light Green	WVTF2848-5GG	WVTF2849-5GG	WVTF2850-5GG
GLASS - Claret Red	WVTF2848-5GC	WVTF2849-5GC	WVTF2850-5GC
GLASS - Black	WVTF2848-5GB	WVTF2849-5GB	WVTF2850-5GB
METALLIC - Chrome	WVTF2848-5MC	WVTF2849-5MC	WVTF2850-5MC
METALLIC - Inox	WVTF2848-5MI	WVTF2849-5MI	WVTF2850-5MI
METALLIC - Gold	WVTF2848-5MG	WVTF2849-5MG	WVTF2850-5MG
METALLIC - Una	WVTF2840-5MU	WVTF2843-5MU	WVTF2850-5MU

Panasonic

ACCESSORIES

Color Alternatives

WHITE

1/2M 1M 2M

BEIGE

1/2M 1M 2M

METALLIC WHITE

1/2M 1M 2M

DORE

1/2M 1M 2M

ANTHRACITE

1/2M 1M 2M

DARK GRAY

1/2M 1M 2M

BLACK

1/2M 1M 2M

Full Range

1 GANG 2M | 2 GANG 2M | 4 GANG 2M | 3 GANG 3M | 4 GANG 4M

ACCESSORIES

Plastic Button Cover Pcs Table

KNX MODULAR SWITCH			PLASTIC BUTTON COVER		
			1/2M WRKT81004XX	1M WRKT81014XX	2M WRKT81024XX
2M	1 Gang	WRKT61215NC			1 pcs
2M	2 Gang	WRKT61225NC		2 pcs	
3M	3 Gang	WRKT61335NC		3 pcs	
2M	4 Gang	WRKT61245NC	4 pcs		
4M	4 Gang	WRKT61445NC		4 pcs	

COLOR CODE	
XX	**EXPLANATION**
WH	WHITE
MW	METALLIC WHITE
BG	BEIGE
DR	DORE
AN	ANTHRACITE
DG	DARK GRAY
BL	BLACK

BUTTON COVER PRODUCT CODES

COVER COLOR	1/2 M	1M	2M
White	WRKT81004WH	WRKT81014WH	WRKT81024WH
Beige	WRKT81004MW	WRKT81014MW	WRKT81024BG
Metallic White	WRKT81004BG	WRKT81014BG	WRKT81024MW
Dark Gray	WRKT81004DG	WRKT81014DG	WRKT81024DG
Dore	WRKT81004DR	WRKT81014DR	WRKT81024DR
Anthracite	WRKT81004AN	WRKT81014AN	WRKT81024AN
Black	WRKT81004BL	WRKT81014BL	WRKT81024BL

Panasonic

ACCESSORIES

Using Mechanism and Button Cover

2x1 / 1 GANG (2M)
WRKT61215NC

2M
WRKT81024XX

x1

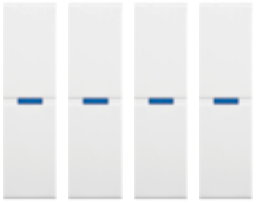
4x2 / 2 GANG (2M)
WRKT61225NC

1M
WRKT81014XX

x2

8x4 / 4 GANG (2M)
WRKT61245NC

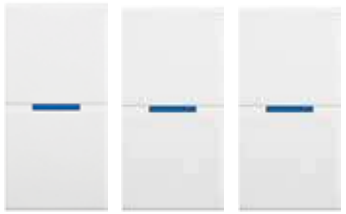
1/2M
WRKT81004XX



x4

6x3 / 3 GANG (3M)
WRKT61335NC

1M
WRKT81014XX



x3

8x4 / 4 GANG (4M)
WRKT61445NC

1M
WRKT81014XX

x4

ACCESSORIES

Mounting Frames

2M MOUNTING FRAMES

2/3M MOUNTING FRAME

3M MOUNTING FRAME

4M MOUNTING FRAME

7M MOUNTING FRAME

MOUNTING FRAMES PRODUCT CODES

PRODUCT	2M	2/3M	3M	4M	7M
Mounting Frame Metal	WVTC0732-4NC	WVTC0734-4NC	WVTC0734-4NC	WVTC0735-4NC	WVTC0736-4NC
Mounting Frame (With Claw)	WVTC0730-4NC	WVTC0737-4NC			
Mounting Frame (Ultima)	WVTC0731-4NC				

BOXES PRODUCT CODES

PRODUCT	2M	3M	4M	7M
Modular Box, Flush Mount	WVTC0780-4NC	WVTC0781-4NC	WVTC0782-4NC	WVTC0783-4NC
Modular Box, for Plasterboard	WVTC0784-4NC	WVTC0785-4NC	WVTC0786-4NC	WVTC0787-4NC

Panasonic

ACCESSORIES
Norm

Mounting Boxes

2M MOUNTING BOX

2M HOLLOW WALL BOX

2M HOLLOW WALL BOX

3M MOUNTING BOX

3M HOLLOW WALL BOX

4M MOUNTING BOX

4M HOLLOW WALL BOX

7M MOUNTING BOX

7M HOLLOW WALL BOX

2M M.BOX

2X2M M.BOX

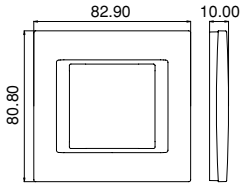
3X2M M.BOX

4X2M M.BOX

TECHNICAL INFORMATION
Frames

Frame Dimensions

OPTIMA FRAMES



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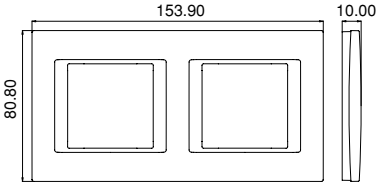
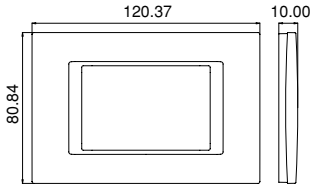


2x2M



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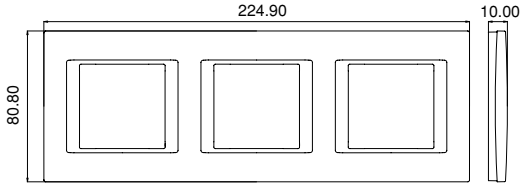

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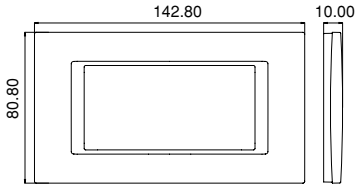

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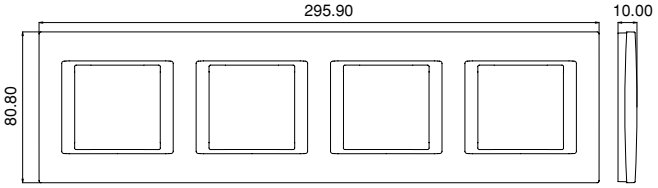

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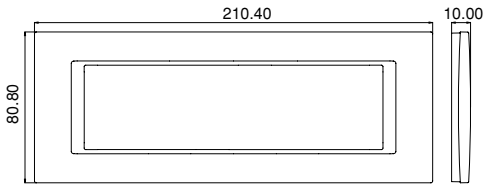


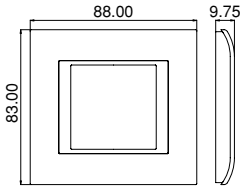
7M

Panasonic

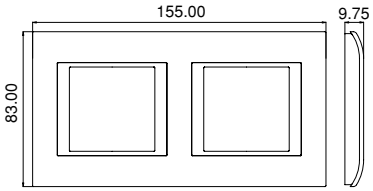
TECHNICAL INFORMATION
Frames

Frame Dimensions

SISTEMA FRAMES



2M



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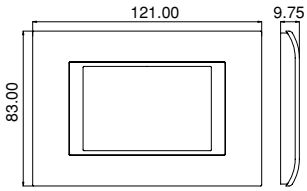

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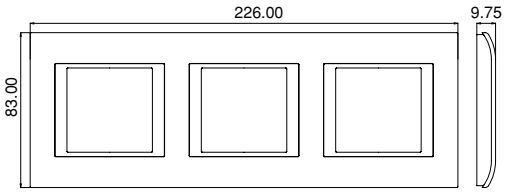

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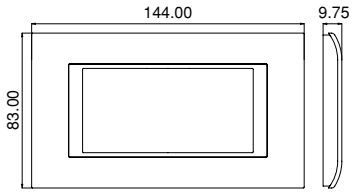

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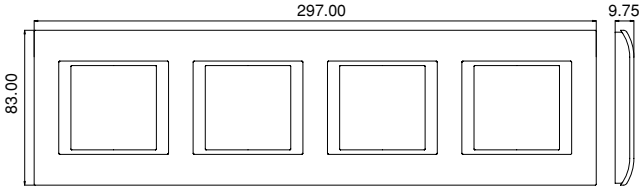

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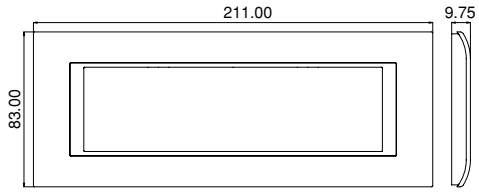
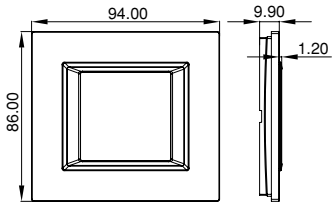


7M

Frame Dimensions

ULTIMA FRAMES



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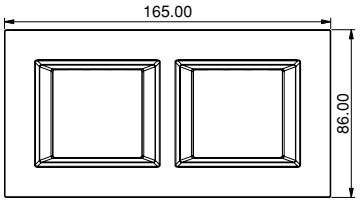

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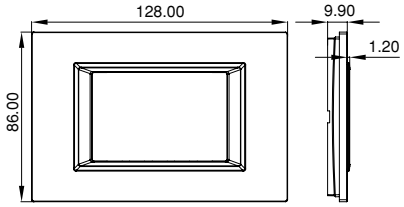

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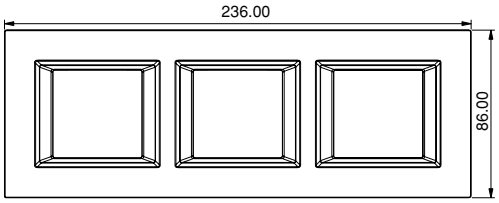

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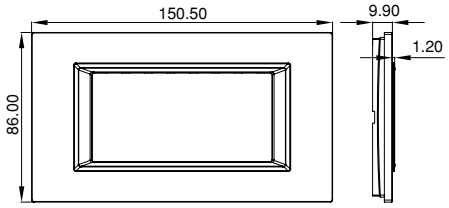

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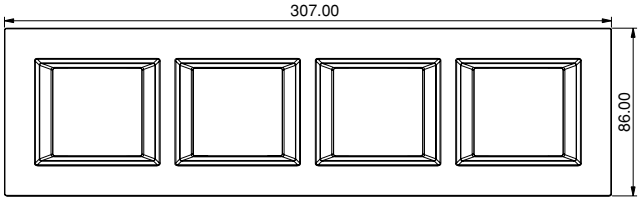
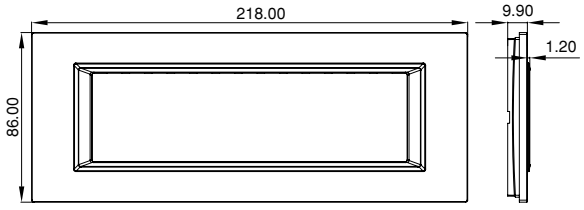


4x2M



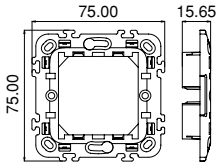
7M

Panasonic

TECHNICAL INFORMATION
Accessories

Mounting Frame Dimensions

2M



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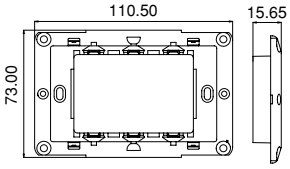

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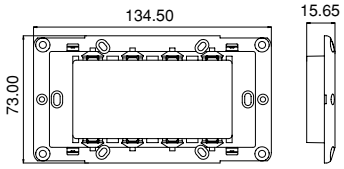

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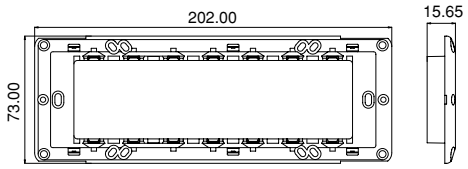
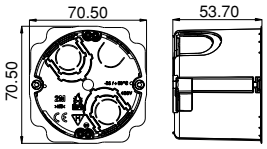


Wall Box Dimensions

HALLOW WALL MOUNT

2M



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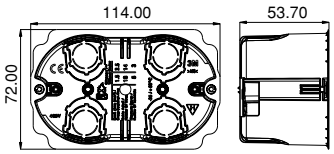

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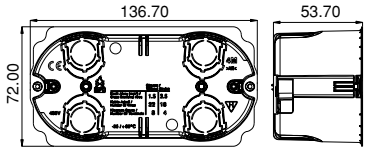

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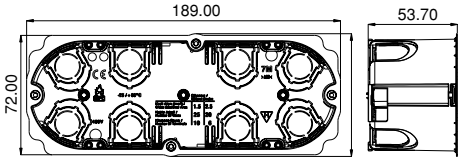
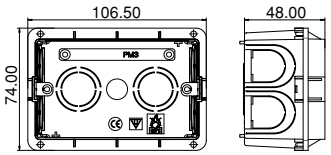


WALL MOUNT

3M



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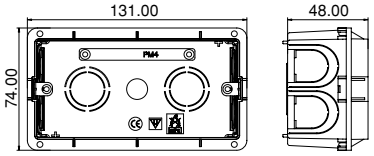

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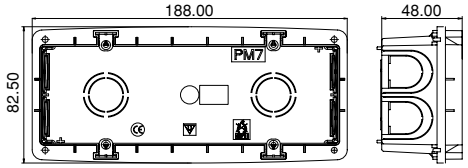
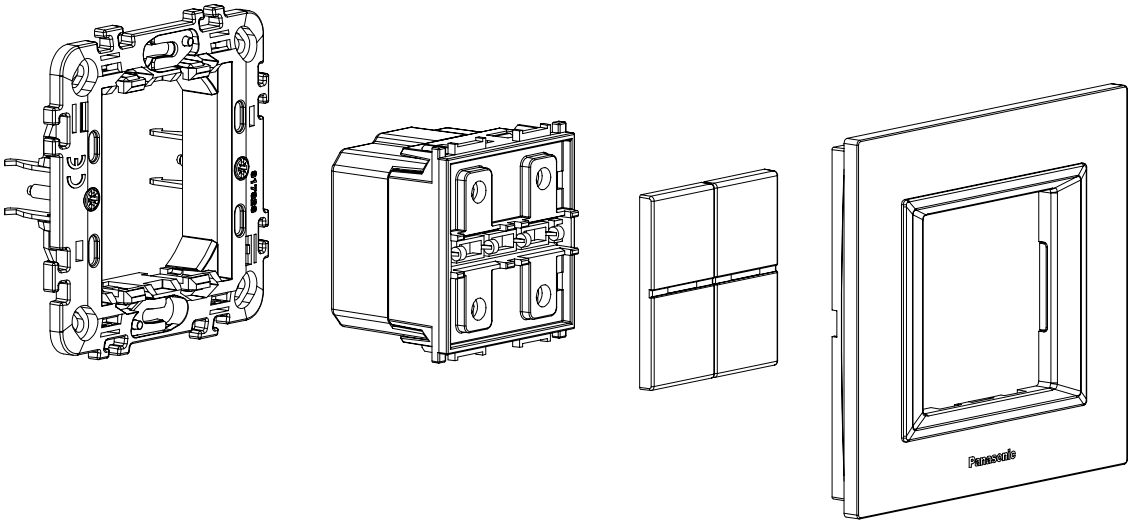


Panasonic

TECHNICAL INFORMATION
Modular

Mounting Modular

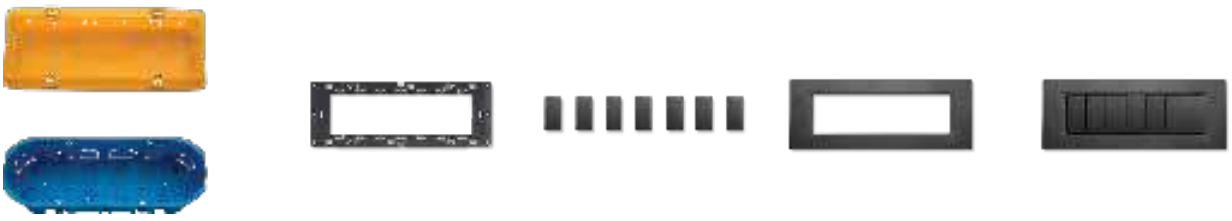


Boxes | Mounting Frames | Buttons | Frames

3M

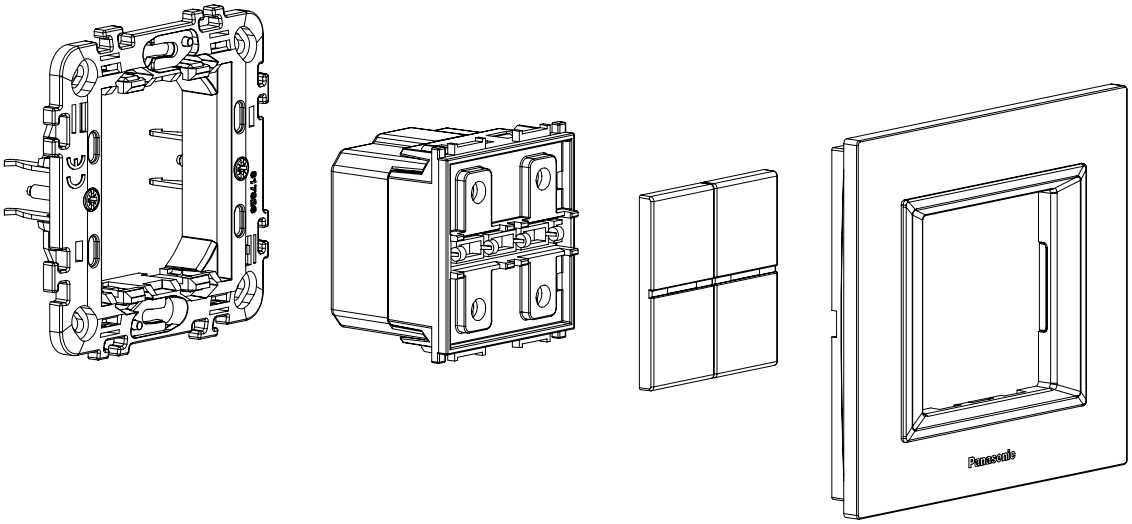
4M

7M

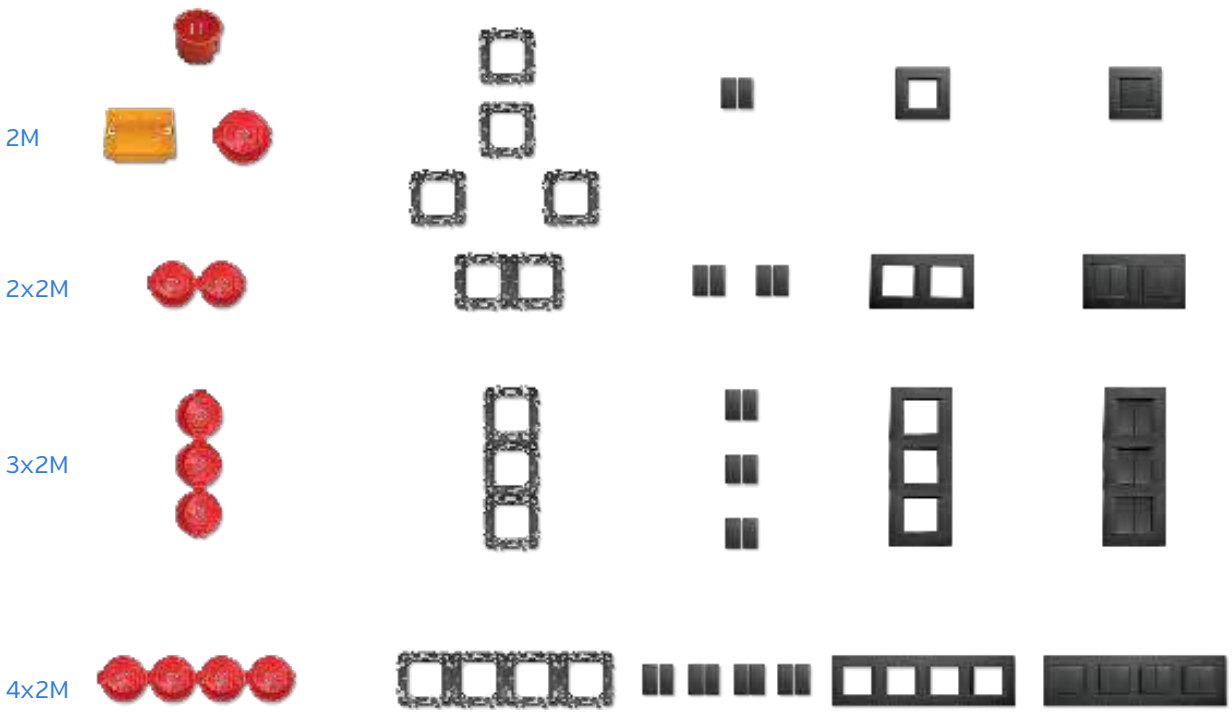


TECHNICAL INFORMATION
Norm

Mounting Norm



Boxes | Mounting Frames | Buttons | Frames



Panasonic

POWER SUPPLY & INTERFACE

Power Supply

Interface

Panasonic

POWER SUPPLY & INTERFACE
Power Supply Units

KNX Power Supply Units

KNX Power Supply Unit 640mA

KNX Power Supply Unit 320mA

MAIN FEATURES

- For supplying KNX devices with bus voltage
- One non-choked and one choked output each
- The non-choked output can be used for the supply of another line or for function devices (smart sensor etc.) which require an auxiliary voltage
- A KNX bus line can be supplied from two power supply units There must be at least 200m of bus line between the infeed points.
- Nominal voltage can be subdivided to outputs (choked or nonchoked) as desired.
- With reset switch for bus lines
- With short circuit protection
- With overvoltage protection

STATUS DISPLAY

LED display, red: bus reset
LED display, yellow: overvoltage
LED display, red: overload
LED display, green: operation

TECHNICAL DATA

	PSU 640	PSU 320
Operating voltage AC	230V AC 50/60Hz	
Operating voltage DC	240-250V DC	
Power loss	5W max.	
Dimensions	4 modules	4 modules
Output current	640mA	320mA
Output voltage	30V DC	
Ambient temperature	-5°C ... +45°C	
Protection rating	IP20	

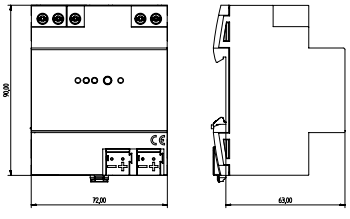
PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX Pover Supply 640mA	WRKT20275NC
KNX Pover Supply 320mA	WRKT20145NC

CONNECTION

KNX Power Supply Unit

DIMENSIONS



POWER SUPPLY & INTERFACE
Line Coupler

KNX Area / Line Coupler

MAIN FEATURES

- For connecting two KNX/EIB data lines and ensuring the electrical separation of these lines from one another
- Can be used as an area or a line coupler or alternatively as a line repeater depending on the assignment of the physical address and on the parameterization of the device
- With a maximum of 3 line repeaters in parallel per line, the highest max. number of 256 devices in a line can then be realized
- A separate power supply is required for each line or each line segment
- LED status indication

FUNCTIONS

Used as area/line coupler
- Reduced bus load due to filter function (filter table)
- Forwarding of group telegrams can be parameterised
- Telegram repetitions in case of transmission errors adjustable
- Telegram confirmation can be parameterised

Used as line repeater
- Expansion of a line into a maximum of 4 line segments with up to 64 devices per segment
- Telegram repetitions in case of transmission errors adjustable

TECHNICAL DATA

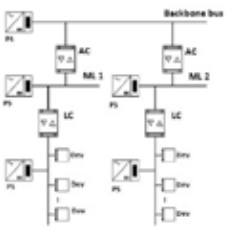
	Line Coupler
Operating voltage KNX	Bus voltage
Operating voltage	21–30V DC
Width	2 modules
Current consumption superordinate line	6mA
Current consumption subordinate line	8mA
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

PRODUCT CODES

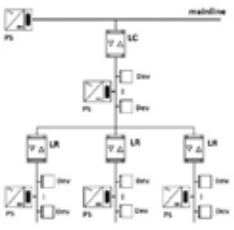
PRODUCT	PRODUCT CODES
KNX Line Couplier	WRKT21025NC

CONNECTION

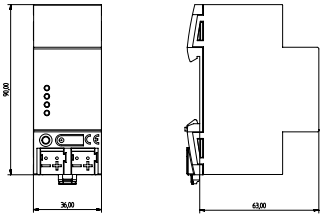
KNX Area/Line Coupler



KNX Line Coupler/Line Repeater



DIMENSIONS



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POWER SUPPLY & INTERFACE
USB Data Gateway

KNX USB Data Gateway

KNX USB Gateway

MAIN FEATURES

- Permits the connection of a PC to the instabus KNX / EIB
- Enables instabus devices to be addressed, programmed and diagnosed by means of the ETS
- The device electronics get their power supply completely from the USB interface of the connected PC
- The firmware of the USB data interface can be updated with the local PC so that the device can easily be adapted to future standards

PRODUCT CODES

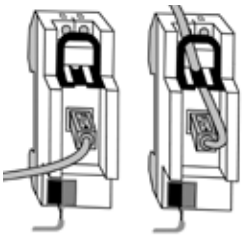
PRODUCT	PRODUCT CODES
KNX USB Gateway	WRKT25025NC

TECHNICAL DATA

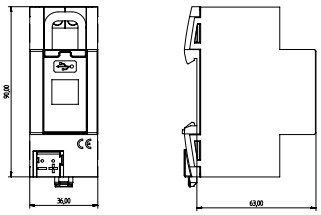
	USB Interface
Operating voltage KNX	Bus Voltage
Power supply	Via PC USB-port
Power consumption	150mW max.
Width	2 modules
Length of USB cable	5 m max.
Transmission protocol	Compatible with USB standards 1.1 and 2.0
PC port (USB)	USB connecting socket type B
Rate of transmission	typically 9.6 kbaud
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

CONNECTION

KNX USB Interface



DIMENSIONS



POWER SUPPLY & INTERFACE
DALI Gateway

KNX DALI Gateway

KNX DALI Gateway Tunable White

MAIN FEATURES

- For controlling of luminaries and other applications with DALI operating device in KNX installations e.g. electronic ballast
- Each group features the full scope of functions without any restrictions. Functions can be parameterized separately for each group. This feature permits independent and multi functional control of the DALI devices.
- Adjusting the limit values for brightness is possible
- Dimming response can be parameterized.
- An individual DALI device can be exchanged during operation without software
- The configuration and commissioning of the DALI Gateway takes place via a plug-in
- With short circuit, surge and overload protection

FUNCTIONS

- Control of a maximum of 64 DALI devices in a max. of 32 groups
- Incorporation of the groups into up to 16 light-scenes possible
- Central switching function
- Manual control of the groups independent of the bus (site operation with broadcast control)
- Feedback of DALI error status or short-circuit and supply voltage failure message
- Soft-On or Soft-Off function
- Timer functions (ON-delay, OFF-delay, staircase lighting function, also with pre-warning function) Technical

TECHNICAL DATA

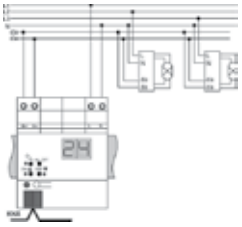
	DALI Gateway
Operating voltage KNX	Bus voltage,
Power consumption KNX	150mW max.
Width	4 modules
Operating voltage	110V...240V AC 50/60Hz
Number of DALI subscribers	64 max.
DALI rated voltage	16V DC
DALI transmission rate	1.2 kbit/s
DALI protocol	EN 62386
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

PRODUCT CODES

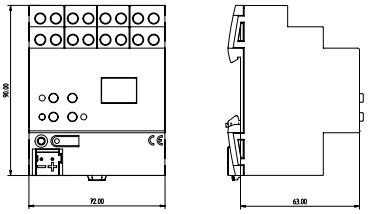
PRODUCT	PRODUCT CODES
KNX DALI Gateway	WRKT22045NC

CONNECTION

DALI Gateway



DIMENSIONS



Panasonic

POWER SUPPLY & INTERFACE
Binary Inputs for flush-mounted sockets 2/4/6 way

KNX Binary Inputs for flush-mounted sockets 2/4/6 way

KNX Binary Input 2-Way

KNX Binary Input 4-Way

KNX Binary Input 6-Way

MAIN FEATURES

- Binary input modules with 2, 4 or 6 inputs for floating switch/ push button contacts
- Can be installed in combination with conventional push buttons/ switches in flush-mounted sockets
- Inputs can be reconfigured to outputs: binary input: potential-free contact/binary output: 1mA (low current) (LED 1mA types)
- Adjustable response to restoration of the bus supply

INPUT FUNCTIONS

The following functions can be configured:
- Switch / push button input
- Dimmer control
- Control of blinds
- Value
- Up to 4 Command LED (With BI 6-way, only C1...C4)

TECHNICAL DATA

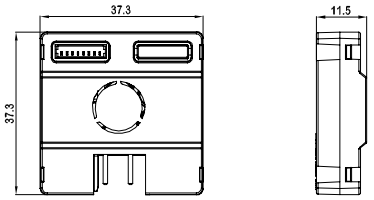
GENERAL	
Power supply	Bus voltage
Ambient temperature	-5 °C... + 45°C
Current draw from bus voltage	Max 10mA
Bus connection	Bus terminal
Type of protection	IP 20 to EN 60529
Degree of pollution	2 to IEC 60664-1
Protection class	Class III to IEC 61140
Overvoltage class	Class III to IEC 60664-1
Dimensions	LxWxH 37 x 37 x 12 (mm)

Inputs	
Quantity	2 Way: 2 outputs 4 Way: 4 outputs 6 Way: 4 outputs
Use	Low current LEDs without series resistor
Output current	Maximum 1mA / output

PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX Binary Input 2-Way	WRKT24025NC
KNX Binary Input 4-Way	WRKT24045NC
KNX Binary Input 6-Way	WRKT24065NC

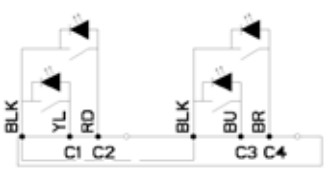
DIMENSIONS



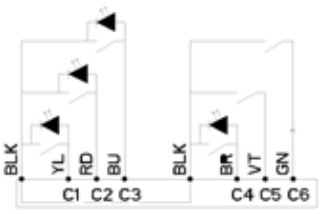
CONNECTION

KNX Binary Input 2-Way

KNX Binary Input 4-Way



KNX Binary Input 6-Way



Panasonic

ACTUATOR

Actuator

Panasonic

ACTUATOR
Switching/Blind Actuators

KNX Switching/Blind Actuator 12/6 Gang

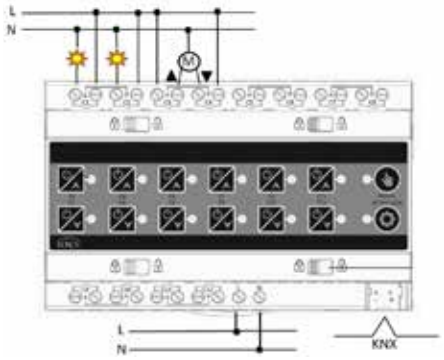
KNX Switching/Blind Actuator 8/4 Gang

KNX Switching/Blind Actuator 4/2 Gang

MAIN FEATURES

- On-site operation possible on the device (e.g. for installation testing), drives also possible without a bus voltage
- Status LED for each channel
- High switching capacity (16A with high-inrush current capacity)
- Different channel functions can be selected: Switching, On/Off Delay, Pulse, Staircase, Roller Shutter, Venetian Blind.
- Possible integration of the channels into a maximum of 8 scenes
- Adjustable response to bus failure and restoration of the bus/mains power
- Central UP/DOWN object
- 3 safety objects and function
- Flexible reaction to safety telegrams: individually adjustable for each drive for start and end of the safety status
- Adjustable response to bus failure and restoration of the bus / mains power

CONNECTION



ACTUATOR
Switching/Blind Actuators

TECHNICAL DATA

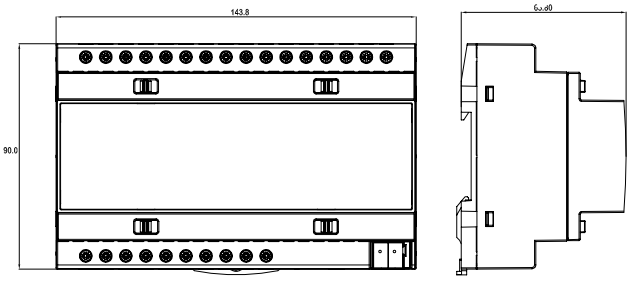
KNX Medium	TP1
Mode of commissioning	S-Mode
KNX supply	21-32V DC
Mains supply	230V AC
Mains frequency	50/60Hz
Installation type	DIN rail
Mounting width	12/6 Channels – 144 mm (8 modules) 8/4 Channels – 144 mm (8 modules) 4/2 Channels– 72 mm (4 modules)
Ambient temperature	-5 °C ...+45 °C
Storage temperature	-25 °C ... +55 °C
Transportation temperature	-25 °C ... +70 °C
Connection	
KNX	KNX bus terminal
Mains and outputs	Screw terminals
Max. cable cross section	Single wire: 1.5 mm² to 4 mm² or 2 x 1.5 mm² to 2x2.5 mm² Stranded wire without ferrule: 0.75...4 mm² Stranded wire with ferrule: 0.5 mm² to 2.5 mm²
Output contact type	NO , potential-free µ-contact, monostable
Switching Voltage AC	0-230V AC ±10%, 50/60Hz
Switching capacity at 230V AC	16A cos = 1 3A cos = 0.6

Loads per output	
Resistive load	3680W
Capasitive load	max. 21uF at 16A
Motors (shutter or fan)	600W
Max. inrush current	80A / 20 ms
Lamp Loads	
Incandecent / Halogen load	2000W
230V halogen lamps	1800W
LV halogen lamps with Tronic transformers	800W
LV halogen lamps with inductive transformers	800VA
Fluorescent lamp load (conventional) parallel-corrected	2 x 58W (7 µF), 3 x 36W (4,5 µF), max. 120W (14 µF)
Fluorescent lamp load (conventional) not corrected	14 x 58W, 20 x 36W, max. 1000VA
Fluorescent lamp (EB - Electronic ballast)	3 x 36W, 2 x 58W, max. 120W
Energy saving lamps	6 x 7W, 4 x 11W, 2 x 15W, 2 x 20W, 2 x 23W

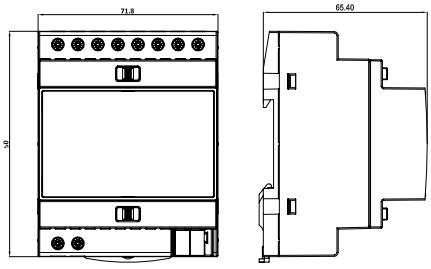
PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX Switching/Blind Actuator 12/6 Gang	WRKT4512J5NC
KNX Switching/Blind Actuator 8/4 Gang	WRKT4508J5NC
KNX Switching/Blind Actuator 4/2 Gang	WRKT4504E5NC

DIMENSIONS



For only 12/6 and 8/4.



For only 4/2

Panasonic

ACTUATOR
Dimming Actuators

KNX 1-10V Control Unit 4 Gang

MAIN FEATURES

- For switching and dimming of lighting circuits in combination with electronic ballasts or other dimmable 1-10V devices
- "Soft-ON", "Soft-OFF" and time dimmer are configurable
- Time-delayed switch-off when brightness value drops below the switch-off brightness is possible
- Multi-phase connection is possible
- 1-10V output and one switch output (relay contact) per channel
- Slide switches for manual control of the relays (also without bus voltage)
- No additional power supply required

SWITCHING CAPACITY

Minimum load	: 5W
Resistive load	: 2500W
Capacitive load	: 1100W (max. 140µF)
Incandescent / halogen lamp load	: 2500W
Type-dependent fluorescent lamps with EVG (due to varying switch-on peaks)	

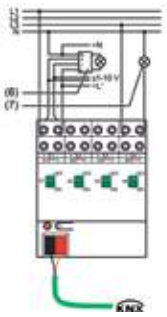
TECHNICAL DATA

	CU 4
Operating voltage KNX	Bus voltage, (<10mA)
Signal voltage	1 – 10V
Signal current	100mA (per channel)
Power Consumption	240mW max.
Dimensions	4 modules
Type of contact	Relay contact, 16A (at 250V AC, cos=1), 10A (at 250V AC, cos=0,6)
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

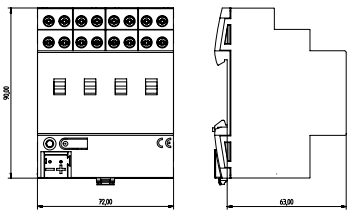
PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX 1-10V Control Unit 4 Gang	WRKT5104E-5NC

CONNECTION



DIMENSIONS



ACTUATOR
Dimming Actuators

KNX Dimming Actuator

KNX Dimming Actuator 2 Gang 300W DM102

KNX Dimming Actuator 4 Gang 250W DM104

MAIN FEATURES

- 2 channel and 4 channel versions
- Dimming range 0-100%
- For dimming incandescent lamps, low voltage and high voltage halogen lamps, Dimmable CFL and Dimmable LED Driver loads
- Device and KNX bus module can be swapped independently of each other.
- Removable KNX bus module enables devices to be changed without reprogramming.
- LED channel status indicator for each channel
- Manual operation on device (even without bus connection)
- Dimming output: 300W per channel for 2 channels version, 250W per channel for 4 channels version.
- Automatic load type detection (can be deactivated)
- For R, L and C load

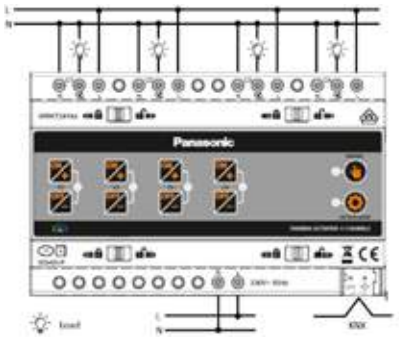
TECHNICAL DATA

KNX Medium	TP1	
Mode of commissioning	S-Mode	
KNX supply	21-32V DC	
Mains supply	230V AC	
Mains frequency	50Hz	
Installation type	DIN rail	
Mounting width	4 Channels – 144 mm (8 modules) 2 Channels – 72 mm (4 modules)	
Ambient temperature	-5°C...+45°C	
Storage temperature	-25°C...+55°C	
Trasportation temperature	-25°C...+70°C	
Connection		
KNX	KNX bus terminal	
Mains and outputs	Screw terminals	
Max. cable cross section	Single wire: 1.5 mm² to 4 mm² or 2 x 1.5 mm² to 2x2.5 mm² Stranded wire without ferrule: 0.75...4 mm² Stranded wire with ferrule: 0.5 mm² to 2.5 mm²	
Max Loads	DM102 (2 channels)	DM104 (4 channels)
Incandesant & Halogen HV	300W (200W in inductive mode)	250W (200W in inductive mode)
Halogen LV (Ferromagnetic Trasformer)	300VA (Capacitive mode not allowed)	250VA (Capacitive mode not allowed)
Halogen LV (Electronic Trasformer)	300VA (Inductive mode not recommended)	250VA (Inductive mode not recommended)
Dimmable LED (Retrofit) & CFL	300VA (30VA in inductive mode, auto calibration mode not recommended)	250VA (30VA in inductive mode, auto calibration mode not recommended)

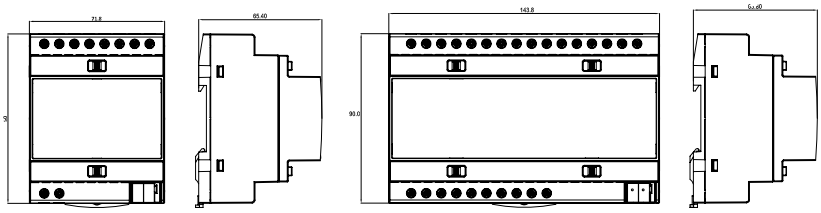
PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX Dimming Actuator 2 Gang 300W DM102	WRKT5512E5NC
KNX Dimming Actuator 4 Gang 250W DM104	WRKT5414J5NC

CONNECTION



DIMENSIONS



* The maximum load declaration is under ambient temperature 25°C, and maximum mains voltage 230V AC/ 50Hz.
If ambient temperature is over 25°C, the maximum load should be reduced.

Panasonic

ACTUATOR
Fan Coil Actuator

KNX Fancoil Actuator

MAIN FEATURES

- For operation of ventilator convectors (fan coil units) implemented for room air conditioning
- Fan coil actuator for 2-pipe and 4-pipe systems
- Connection of one fan coil unit with up to 6 fan levels or connection of two fan coil units with up to 3 fan levels each
- Operating modes for heating, cooling or combined heating / cooling operation
- LED status indication for operation
- Free channels can be used for switching functions e.g. for room lighting
- Cyclical or event-oriented transmission
- Manual operation on device (fan stages, valve and switching outputs)
- Limit values can be set

TECHNICAL DATA

	FCA
Operating voltage KNX	Bus voltage, (<10mA)
Operating voltage	230V AC, 50/60Hz
Power Consumption KNX	150mW
Power Loss	3W max.
Dimensions	4 modules
Type of contact	µ contact, potential-free NO contact
Switching voltage	250V AC
Switching current	10A
Minimum switching current AC	100mA min.
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

FUNCTIONS

Up to 5 different fan coil systems can be set:

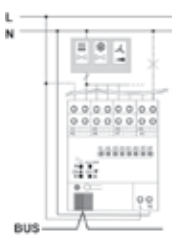
- 2-pipe system only heating (in 1-channel and 2-channel operation)
- 2-pipe system only cooling (in 1-channel and 2-channel operation)
- 2-pipe system heating/cooling via change-over object (in 1-channel and 2-channel operation)
- 4-pipe system heating/cooling via change-over object (only in-channel operation)
- 4-pipe system heating/cooling via command value specification (only in 1-channel operation)

PRODUCT CODES

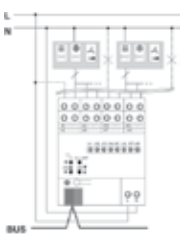
PRODUCT	PRODUCT CODES
KNX Fancoil Actuator	WRKT71445NC

CONNECTION

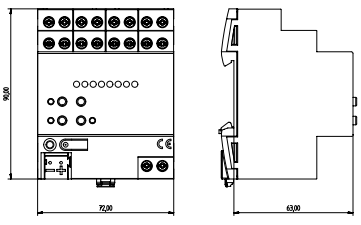
1-Channel operation



2-Channel operation



DIMENSIONS



ACTUATOR
Heating Actuator

KNX Heating Actuator With Controller 6 Gang

MAIN FEATURES

- For switching of thermal actuators for heaters or cooling ceilings
- Can control up to 6 rooms using thermal actuators for every channel
- Up to 4 thermal valve drives can be connected per channel
- The outputs can be controlled either with switching or with PWM
- Overload-protected, short circuit-protected
- Protection against jamming valves

SWITCHING CAPACITY

By means of parameter settings, the following functions are possible for each input:

- Switch / key input
- Dimmer control
- Control of blinds
- Valuator
- Counter

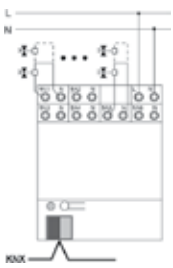
TECHNICAL DATA

	HA 6
Operating voltage KNX	Bus voltage, (<15mA)
Operating voltage	110...230V AC, 50/60Hz
Power Consumption KNX	250mW max.
Width	4 modules
Type of contact	Triac
Voltage output	230V AC
Switching current output	5...160mA
Switch-on current	1,5A max. (2 sec)
Ambient temperature	-5°C ... +45°C
Protection rating	IP20

PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX Heating Actuator with Controller 6 Gang	WRKT72645NC

CONNECTION



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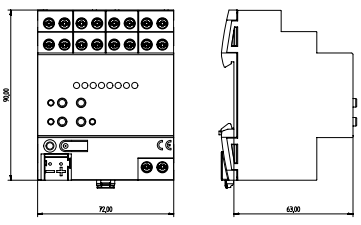


Panasonic

SENSOR & DETECTOR

Thermostat

Panasonic

SENSOR & DETECTOR

KNX Modular Thermostat

MAIN FEATURES

- Individual room thermostat for controlling heating actuators and fan coil units
- Can be used as continuous or two point control
- Continuous PI control can be configured for heating and cooling
- Can support the operating modes as comfort, night/standby, frost/heat protection, presence and window status.
- Operation mode and temperature set value can be changed by user via buttons.
- Can be located into all frames of Thea Modular Series; Optima, Sistema and Ultima

TECHNICAL DATA

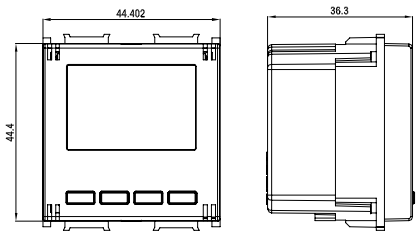
	Modular Thermostat
Power supply	Bus voltage
Ambient Temperature	-5°C ... +45°C
Current draw from bus voltage	Max 10mA
Bus connection	Bus terminal
Type of protection	IP20 to EN 60529

PRODUCT CODES

COLOR	PRODUCT CODES
KNX Modular Thermostat White	WRKT33005WH
KNX Modular Thermostat Beige	WRKT33005BG
KNX Modular Thermostat Metallic White	WRKT33005MW
KNX Modular Thermostat Anthracite	WRKT33005AN
KNX Modular Thermostat Dark Gray	WRKT33005DG
KNX Modular Thermostat Dore	WRKT33005DR
KNX Modular Thermostat Black	WRKT33005BL

DIMENSIONS

KNX Modular Thermostat



SENSOR & DETECTOR

KNX Modular Thermostat

COLOR ALTERNATIVES

Opaque White

Beige

Metallic White

Dore

Anthracite

Dark Gray

Black

Panasonic

SENSOR & DETECTOR

KNX Ceiling Type Presence Detector

MAIN FEATURES

- The PIR sensor on the product has a moving lens (mechanical adjustment) and a shade ring allow users to easily customize the coverage area and detection range.
- RGB LED can be used to indicate movements or/and one of the measurements value.
- Mixed light measurement suitable for fluorescent (FUPUESL), halogen/incandescent lamps and LEDs.
- KNX programming button of the product is under the front cover for easy access.
- Product can be flush mounted installed in ceilings with clamps.
- Ceiling installation is also possible with surface-mounted box.
- 8 independent channels can be used for presence or/and brightness dependent control for lighting, HVAC control etc...
- Test mode for checking function and detection area
- All sensors measurements can be calibrated before ETS programming by parameters or after ETS programming by communication objects.
- Alarm function for measurements
- Presence dependent channels can work in parallel (Master/ Slave or Master/Master)
- Short presence function reduces the time delay when device detects movement briefly
- Brightness switching value or set point value can be set in lux before ETS programming by parameters or after ETS programming by communication objects
- Channel's presence and brightness sources can be from internal or/and external sensors
- Independent lock function for each channel
- Channels can be programmed to work with manual switching/dimming (by push buttons for example).
- Participation to scenes

TECHNICAL DATA

	KNX Ceiling Type Presence Detector
Supply voltage	21 ... 32V DC via KNX Bus
Ambient temperature	-5°C ... +45°C
Type of protection	IP20 to EN60529
Safety class	III to IEC 60664-1
Detectable movement speed	0.3 m/s ~ 1.0 m/s
Detectable temperature difference	More than 4°C
Brightness measurement	1 ... 3000 lux
Temperature measurement	0°C ... 45°C
Relative humidity	0% ... 100%
Air Quality, Equivalent carbon dioxide (eCO_2)	400 ppm ... 8192 ppm.

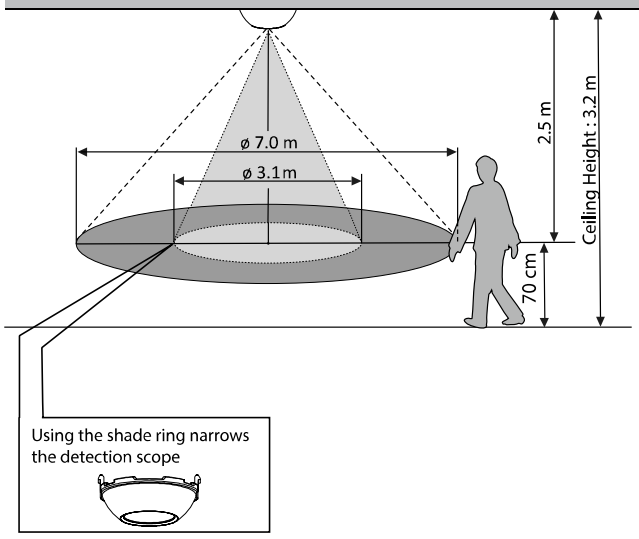
PRODUCT CODES

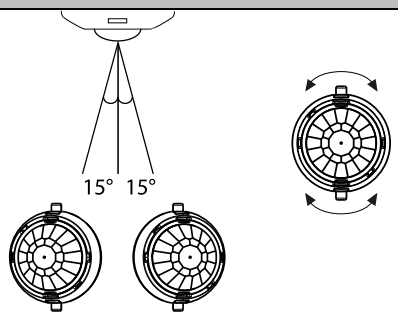
	PRODUCT CODES
KNX Ceiling Type Presence Detector A100	WRKT32005NC
KNX Ceiling Type Presence Detector A100-T	WRKT32015NC
KNX Ceiling Type Presence Detector A100-TA	WRKT32025NC

Specifications are subject to change without notice.

Product Version			
Product Features	WRKT21005NC	WRKT21015NC	WRKT21025NC
	KNX Ceiling Type Presence Detector A100	KNX Ceiling Type Presence Detector A100-T	KNX Ceiling Type Presence Detector A100-TA
Presence detection	√	√	√
Brightness measurement	√	√	√
Temperature measurement	-	√	√
Humidity measurement	-	√	√
Air Quality measurement	-	-	√

Ceiling





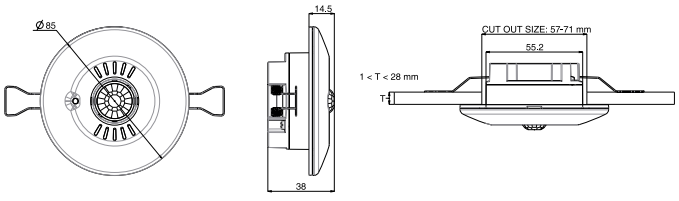
The lens angle can be freely adjusted within the following range: 360° rotation, ± 15° horizontal.

- The scope of detection is different depending on the height of the ceiling (unit:m)
- The shade ring can be used if the detection range of the motion sensor is wanted to be reduced. It can be mounted to the device by pushing it towards the lens.

Ceiling height	2.7 m	3.2 m	4.2 m
Guideline height for detection scope setting	2.0 m	2.5 m	3.5 m
Diameter of detection scope without shade ring	Ø 5.6 m	Ø 7.0 m	Ø 9.8 m
Diameter of detection scope with shade ring	Ø 2.5 m	Ø 3.1 m	Ø 4.4 m

Remark: The standard of appropriate height is 70 cm from floor or height from floor to hand of human for detection.

DIMENSIONS



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Specifications are subject to change.