



WRKT62045 KNX Multi Functional Switch 4 Gang MS104

WRKT62145 KNX Multi Functional Switch 4 Gang MS104-D

WRKT62045
WRKT62145



Installation should only be carried out by a technical personnel having certificate of competency

Panasonic®

Panasonic Electric Works Elektrik San.ve Tic. A.Ş.
Abdurrahmangazi Mah. Ebubekir Cad. No: 44
34887 Sancaktepe / İstanbul / Turkey
T: 0(216) 564 55 55 F: 0(216) 564 55 44

HOTLINE
444 8456

ewtr.panasonic.com
info@tr.panasonic.com

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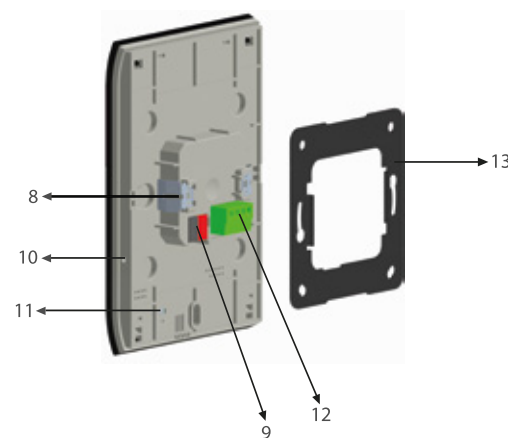
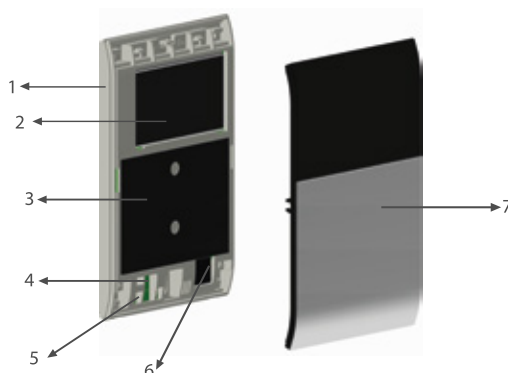
General Information

KNX Multi-Functional Switch is a room controller with 4 Gang and 12 capacitive touch buttons including internal proximity, temperature, humidity and brightness sensors. There are two external inputs. The KNX Multi-Functional Switch can be powered via the KNX bus line without the need for an external power supply. The KNX Multi-Functional Switch can be programmed to enable or disable its features and functions via ETS. Thanks to Thermostat mode which is one of the most important features of the product; heating and cooling control can be done for 2/4 pipe fancoil devices. With the help of touch buttons, a lot of control operations can be done especially blind/shutter, switching and dimming. Additionally; it can measure temperature and humidity and send these values to other KNX devices on the bus line. KNX Multi-Functional Switch can be installed in flushed-mounted or hollow-wall box.

Main Features

- Configurable up to 4 Gang with/without LCD
- 12 capacitive touch buttons with sound feedback
- Customized icon label stickers for touch buttons
- Single and rocker button and LEDs options
- Activating standby mode according to presence information with proximity sensor
- Adjusting backlights according to ambient light with brightness sensor
- Controlling thermostat functions with temperature and humidity sensor
- Weekly thermostat program with internal timer
- Scene actuator functions
- Energy saving functions

Product Components



- 1- Main body
- 2- LCD display
- 3- Touch buttons and feedback LEDs
- 4- Proximity sensor
- 5- Temperature/Humidity sensor
- 6- Buzzer
- 7- Cover
- 8- Fixing clamps
- 9- KNX bus terminal
- 10- Brightness sensor
- 11- KNX programming button and LED
- 12- Digital and analog input
- 13- Mounting Frame

Technical Information

Supply voltage	21 to 32 V DC via KNX Bus
Operating temperature	-5°C +45°C
Type of protection	IP 20 to EN60529
Safety class	III to IEC 60664-1
Cable length for ext. inputs	Max. 3 m
Temperature measurement	0°C to 45°C
Relative humidity	0% to 100%
Current Consumption	With LCD 30mA Without LCD 10mA

External Inputs

Analog Input

Only the NTC sensor can be connected to the analog input and the sensor parameters can be set via ETS. Below sensors are predefined in ETS

- Alre HF-8/4-K2
- Senstech CWF-A23

Digital Input

Dry contact input can be connect to digital input and parameters of contact can be set over ETS. This input can be configured as

- Generic digital input
- Window contact
- Presence contact
- Card holder

Product Versions

Product Features	WRKT62045	WRKT62145
	KNX Multi Functional Switch 4 Gang MS104	KNX Multi Functional Switch 4 Gang MS104-D
Button Functions (switching, dimming, blind control etc.)	✓	✓
Thermostat Functions	✓	✓
Scene Actuator	✓	✓
LCD Display	-	✓

Installation

Flush-mounted installation

- Assembly mounting frame (13) as shown in Figure 1 / Figure 2.
- Connect KNX bus cable to device (9).
- Optional: Connect external input cables to device (12).
- Attach main body (1) to mounting frame (13) by fixing clamps (8) as shown in Figure 3.
- For extra support / theft protection, the main body can be screwed on the wall as shown in Figure 3.
- Finally, attach the cover (7) to the main body.

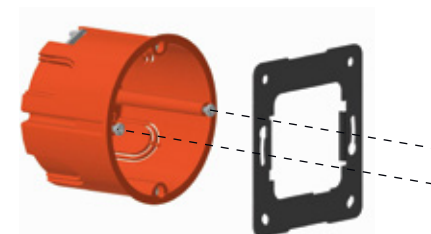


Figure 1: Hollow Wall Box Installation

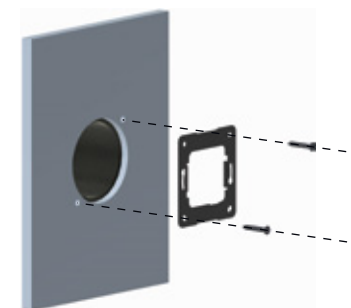


Figure 2 : Wall Installation

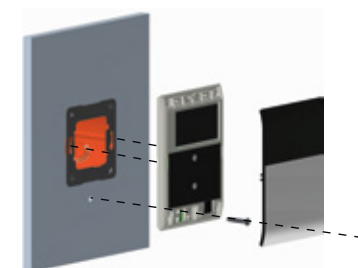
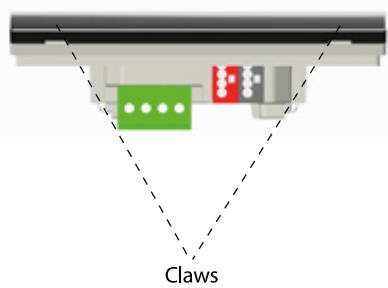


Figure 3 : Device Installation

Note:

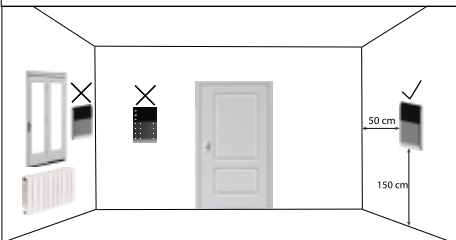
- For demounting cover from main body, use the claws.



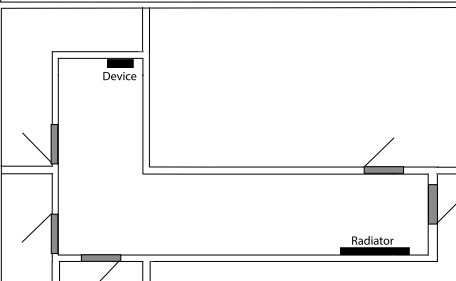
Claws

• Termostat installation places

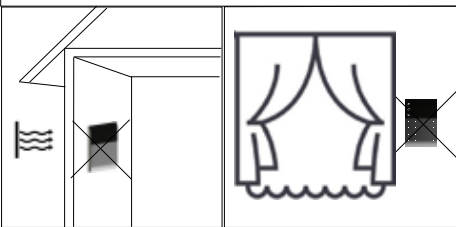
KNX Multi Functional Switch should be installed approximately 150 cm above the floor and 50 cm from the door or wall, and heating/cooling source.
KNX Multi Functional Switch should not be installed near a heating/cooling source.



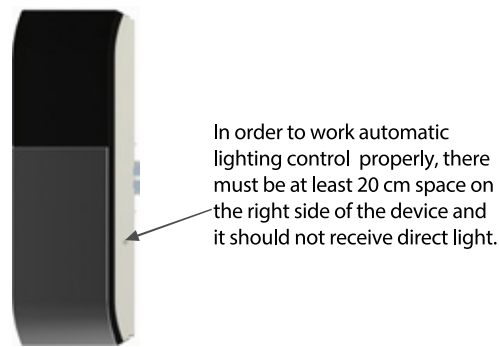
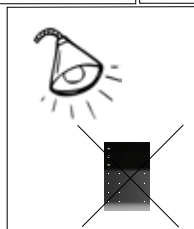
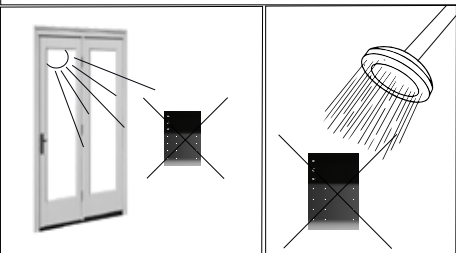
KNX Multi functional switch and heating/cooling source should not be installed so far each other and must not be separated by corners in room.



The front of KNX Multi Functional Switch must not be covered by objects and KNX Multi Functional Switch should not be installed on an exterior wall.

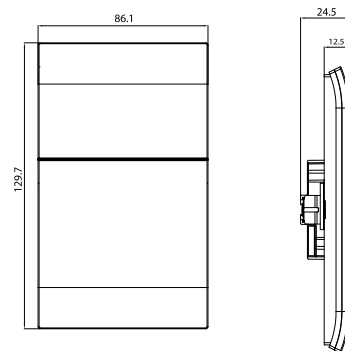


KNX Multi Functional Switch must not be exposed to direct contact with sunlight, liquids and electrical appliances for temperature regulation

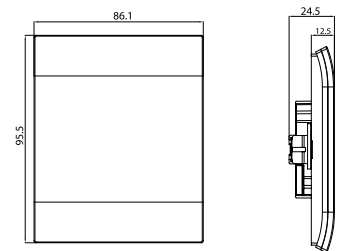


In order to work automatic lighting control properly, there must be at least 20 cm space on the right side of the device and it should not receive direct light.

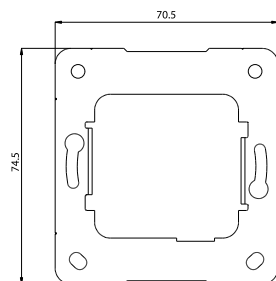
Dimensional Drawings



Multi Functional Switch with LCD display



Multi Functional Switch



Mounting Frame

Start-up behavior

Factory Default

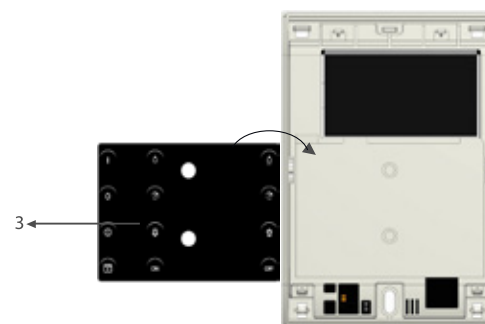
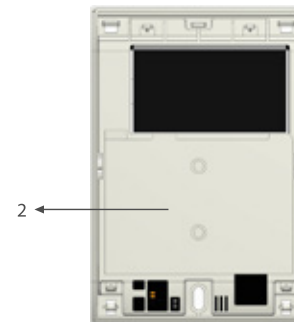
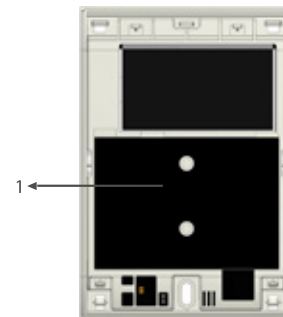
After power on, LCD shows "nAPP" (no application is loaded). Touch buttons with sound feedback and LEDs are activated for testing. The device is delivered with the physical address 15.15.255.

After ETS Programming

The behavior of the device after programming with the ETS depends on the configuration. The description of the features, parameters and objects is in the device reference manual.

Sticking Customized Icon Label

- The device comes with a default label (1)
- If you have a customized icon label, you should remove the default label firstly (2)
- After removing the default label, you can paste the customized label (3)



WARNING

- Ensure that the power is cut off before the assembly of the products .
- Connection and assembly of the electrical devices should be carried out only by the technical personnel having certificate of competency.
- No responsibility is assumed for the entire of the malfunction, accident and loss arising from the assembly or interference of the persons not having the competency certificate.
- Use dry or slightly damp cloth to clean the buttons, cover and frame of the product. Never use alcohol, cologne, detergent or other similar chemicals for cleaning. Do not perform wet cleaning do not contact the product with water when the product is energized.
- In case the surface to which the product is connected is dyed, store the product by removing its cover and the frames.
- Keep the product away from the damp or wet environment during the transportation and shipping.
- It is intended for indoor use only.

Service and Guarantee

- Warranty period starts as of the delivery date of the product and it is 2 years.
- Warranty covers the malfunctions likely to occur due to the manufacturing defects of the product and within the warranty period.
- The product including all of its parts is under warranty as a whole. If the product turns out to be defective, the consumer can use one of the following rights stipulated in Article 11 of Consumer Protection Law no. 6502;
 - a- Withdrawal from the contract
 - b- Demanding discount from sales fee
 - c- Demanding free repair,
 - d- Demanding the replacement of the sold one with a fungible one free from defects.
- In case the consumer chooses the right of free repair among those rights; the dealer is obliged to repair the product or have the product repaired without claiming any fee under the name of replaced part fee, labor cost or for any other reasons. The consumer can also use the right of free repair against the manufacturer or exporter. The dealer, manufacturer and exporter are jointly and severally liable for the usage of this right by the consumer.
- In case the consumer uses the right of free repair and if the product
 - fails within the warranty period again and
 - the maximum period required for the repair is exceeded and
 - Authorized service station, dealer, manufacturer or exporter state that it's not possible to repair the product in a report, the consumer can demand the return of the product fee, fee discount at the ratio of the defect or the replacement with the one free of defects, if possible, from the dealer. The dealer can not reject the demand of the consumer. In case this demand is not met, the dealer, manufacturer and exporter shall jointly and severally be held responsible.
- The repair period of the product can not exceed 20 business days. This period starts on the notification of the failure on the product to the authorized service station or the dealer within the warranty period and from the date of delivery of the product to the authorized service station out of warranty period. In case of not eliminating the product malfunction within 10 business days, manufacturer or importer is obliged to dedicate another product with similar characteristics to the use of the consumer until the completion of the product repair. In case the product fails within the warranty period, elapsed time is added to the warranty period.
- Usage of the product contrary to the rules stipulated in user's manual, operating out of determined voltage, current and environmental conditions, damage on the cable connection due to the user's fault and failure of the product due to the facts arising from the fire, flood, earthquake, lightning and similar disasters are not under warranty.
- The consumer can apply to the arbitration committee for consumers or the consumer court where the consumer operations are made or in the residential area for the disputes to be occurred regarding the usage of the rights arising from the warranty.
- In case the dealer doesn't provide this certificate of warranty, the consumer can apply to the General Directorate of Consumer Protection and Market Surveillance of Ministry of Customs and Trade".