Panasonic®

WRKT62045   KNX Multi Functional Switc

WRKT62145   KNX Multi Functional Switc

WRKT62045
WRKT62145

KNX® CE

⚠ Installation should only be carr
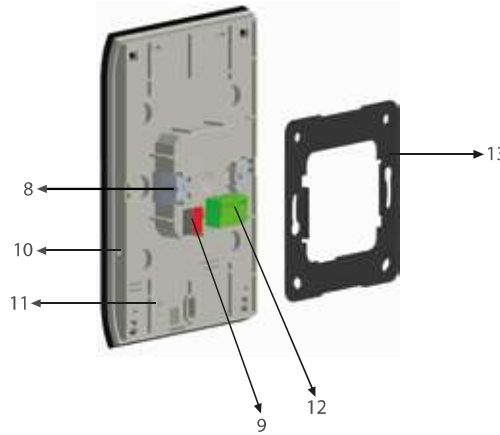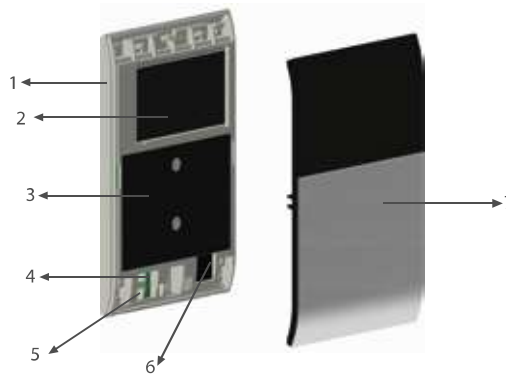
Panasonic®

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-Functio-nal 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.Ad-ditionally; 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-wal 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
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 inpu be configured as
• Generic digital input
• Window contact
• Presence contact
• Card holder

Product Versions

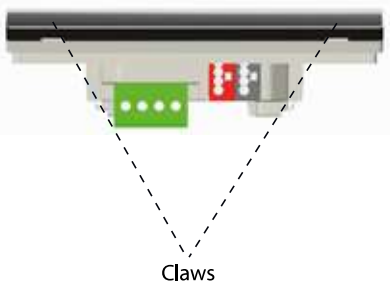| Product Features	WRKT62045	WRKT62
	KNX Multi Functional Switch 4 Gang MS104	KNX Multi Fur Switch 4 G MS104-
Button Functions (switching, dimming, blind control etc.)	✓	✓
Thermostat Functions	✓	✓
Scene Actuator	✓	✓
LCD Display	-	✓

Installation

Flush-mounted installation

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

Note:
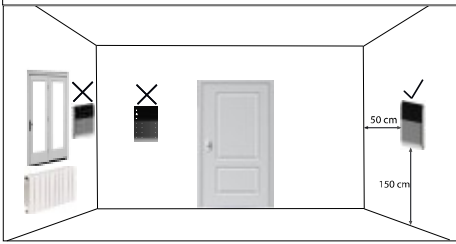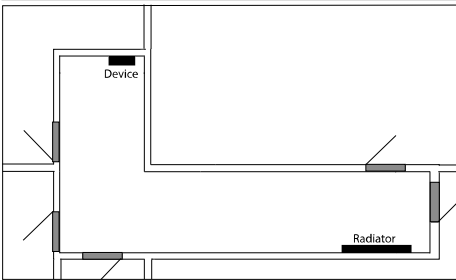
• For demounting cover from main body, use the claws.
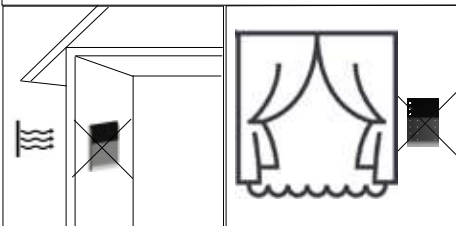

Claws

• 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.
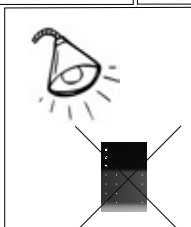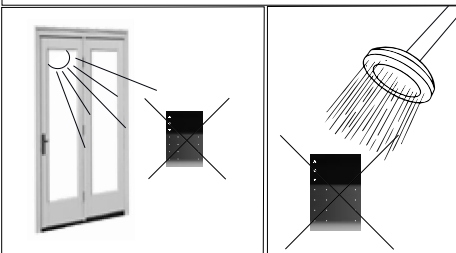KNX Multi Functional Switch should not be installed near a heating/cooling source.

50 cm

150 cm

KNX Multi functional switch and heating/cooling source should not be installed so far each other and must no be seperated by corners in room.
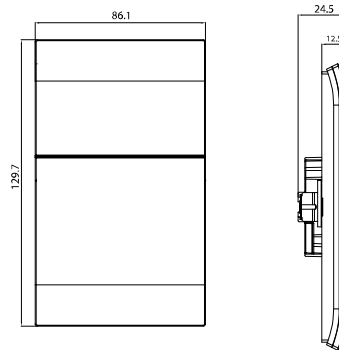

Device

Radiator

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.
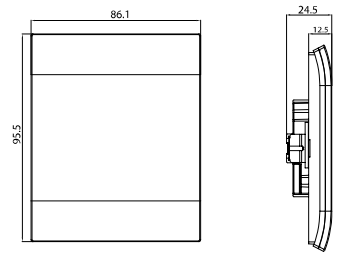

KNX Multi Functional Switch must not be exposed to direct contact with sunlight , liquids and electrical appliances for temperature regulation
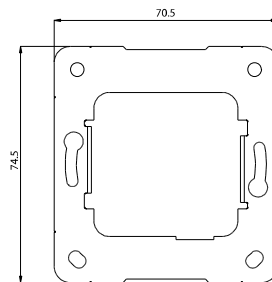

In order to work automatic lighting control properly, there must be at least 20 cm space on the right side of the device and it should not receive direct light.

Dimensional Drawings

86.1   24.5   12.5

129.7

Multi Functional Switch with LCD display

86.1   24.5   12.5

95.5

Multi Functional Switch

70.5

74.5

Mounting Frame

Start-up behavior

Factory Default

After power on, LCD shows "nAPP" (no application is loaded). Touch buttons with sound feedback and LED 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 th depends on the configuration. The description of the features, parameters and objects is in the device refer manual.

Sticking Customized Icon Label

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

1

2

3