

# Panasonic

## THEA MODULAR CATALOGUE



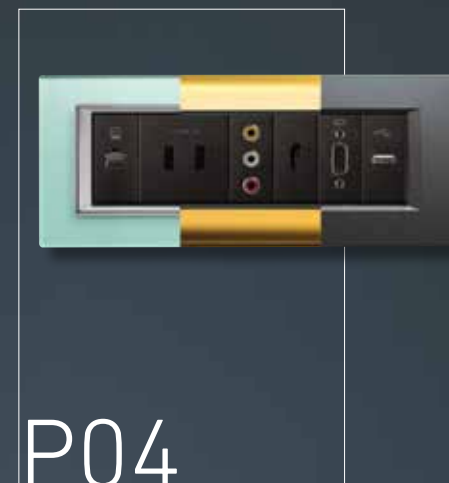


# Panasonic Thea Modular

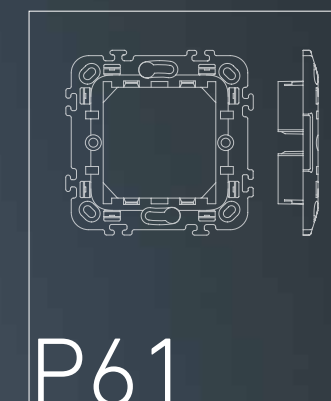
So modular, so popular!

Index

Modular Introduction



Technical Pages





# Welcome to Thea Modular World...

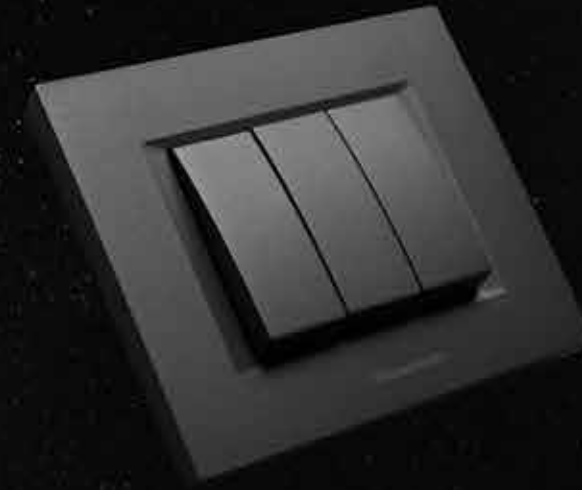
Be ready to meet modular products that will make your life easier with advanced Panasonic technology and exclusive designs. One of the Thea Modular series bringing different needs together in the same frame is absolutely for you...



**Thea**  
ultima



**Thea**  
sistema

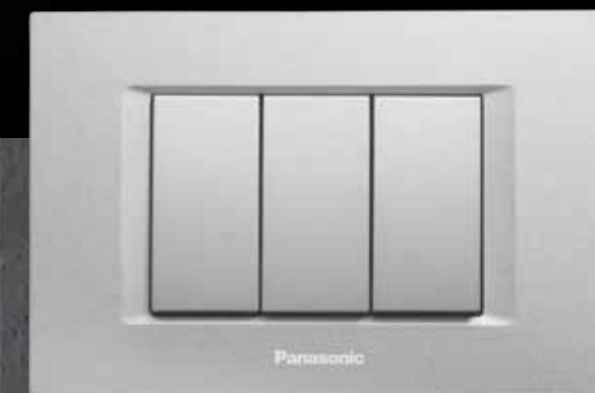


**Thea**  
optima



More  
function  
more design

**Thea**  
Modular



Thea Modular series introduces the advantages of modular system to the users. With Thea Ultima, Thea Sistema and Thea Optima having modular mechanisms and different forms, Thea Modular series brings freedom of choice to the living spaces.

**Thea**  
ultima

**Thea**  
sistema

**Thea**  
optima





# Connect to the technology with modular series

**Thea**  
Modular



With USB connector, USB charger socket, connector for HDMI connection, VGA connector and RCA connector, Thea Modular adds the advantages of technology to make the life easier among the options it offers.

## 1 Thea Modular USB Charger Socket

A new period for charging without adapter starts with Thea Modular USB Charger Socket in hotel, home, office. Meet Thea Modular USB Charger Socket and get rid of the excesses. Thea Modular USB Charger Socket introduces you the direct charging comfort through USB cable without adapter. On the other side, 2 separate devices can be simultaneously charged with 5V 2A power output and 2 USB socket output of Thea Modular USB Charger Socket.

## 2 Thea Modular RCA Connector

Thea Modular RCA Connector eliminates the stress of searching for input on the devices for audio and image transfers. Now it's easier and more comfortable to connect to the device whatever you want with Thea Modular RCA Connector.

## 3 Thea Modular Connector for HDMI Connection

Thea Modular Connector for HDMI Connection brings the facilities to your office, meeting room, hotel or home. Thanks to Thea Modular Connector for HDMI Connection you will meet the comfort of making the connection to projection device, computer or television from the closest and single point and you will get rid of the extra cables causing visual pollution. The only thing to do for that is to make connection inside the wall to Thea Modular Connector for HDMI Connection from the device required for HDMI connection.

## 4 Thea Modular VGA Connector

What about making VGA connections over the socket on your wall? Insert VGA cable to the Thea Modular VGA Connector and start the image transfer within seconds.

## 5 Thea Modular USB Connector

Stop searching for USB input on the television or screen with Thea Modular USB Connector! USB connection that you seek for all of your documents to reflect on the screen from your device in hotel, meeting room or home is as close as Thea Modular USB Connector socket on your wall. Mount Thea Modular USB Connector on the closest accessible point and make the necessary connection to the device you want to use from the modular set. Remove all challenges and obstacles from your life with Thea Modular USB Connector.



# A forward-looking perspective on modular design

**Thea**  
Modular

## 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.



## 2M Mounting Frames

Metal mounting frames ensuring additional strength comparing to regular mounting frames for challenging assembly conditions. Complying with drywall and flush-mounted cases, the design developed for high-performance operation of all modular products.

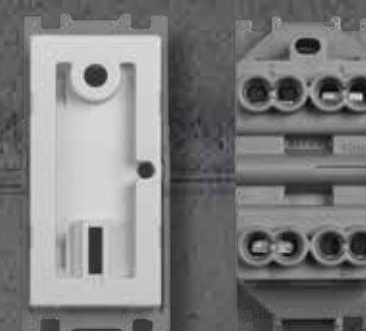
## 2M Earthed Socket

16A, 250V double pole and earthing contact, safety shutter, screw connection.



## 1M Switch Mechanism

Modular mechanisms with screw connection suitable for 16AX, 250V.





Thea  
ultima

Chasing  
your dreams



Panasonic



Thea Ultima is able to make your dreams come true with its different color and material frame alternatives. Make a room for the privilege of using switch, dimmer, socket, TV, satellite, network socket modules together on eye-catching frames.



# Modular design's outstanding colors

## Glass



White



Light Green



Black



Claret Red

Ultima offers alternatives with white, light green, black and claret red color options to the ones who want to catch the Italian sparkle coming with glass.

## Metallic



Gold



Chrome



Inox

Ultima Metallic frames bringing qualification to furniture and accessories of modern environments catches the integrity in details.

## Eloxal



Silver



Bronze



Black

Modern elegance is taking the center stage of living spaces with Ultima Eloxal frames.

## Wooden



Bamboo



Walnut



Wenge

Ultima Wooden frames offering wenge, walnut, bamboo alternatives add their own warmth to all spaces.





For most impressive  
decorations



Metropolitan life continues to steer the decorations considered for living spaces. Thea Sistema offering most impressive design alternatives with 14 different color options, provides the benefit of modularity in living spaces.



# Designs having a voice colors above-the-line



**Inox**  
 Sistema frames reflecting the power of zamak alloy determines the preferences with Inox option.



**Inox Matt**  
 Modular system concept of Sistema makes dream come true with Inox Matt frames.



**Chrome**  
 Spaces gain originality and reflect the style of the owner with Sistema Chrome frames.



**Chrome Matt**  
 Sistema Chrome Matt option leaves visible excesses out of frame.



**Una**  
 Sistema accompanies to the ones who say each space should have a story with Una frames.



**Antique**  
 Sistema makes an elegant and inspiring offer to the ones with special liking through Antique frames.



**Gold**  
 Sistema Gold frames give a bright touch on living spaces that will leave a mark.





Thea  
optima

Simplicity taking  
the first step



Panasonic

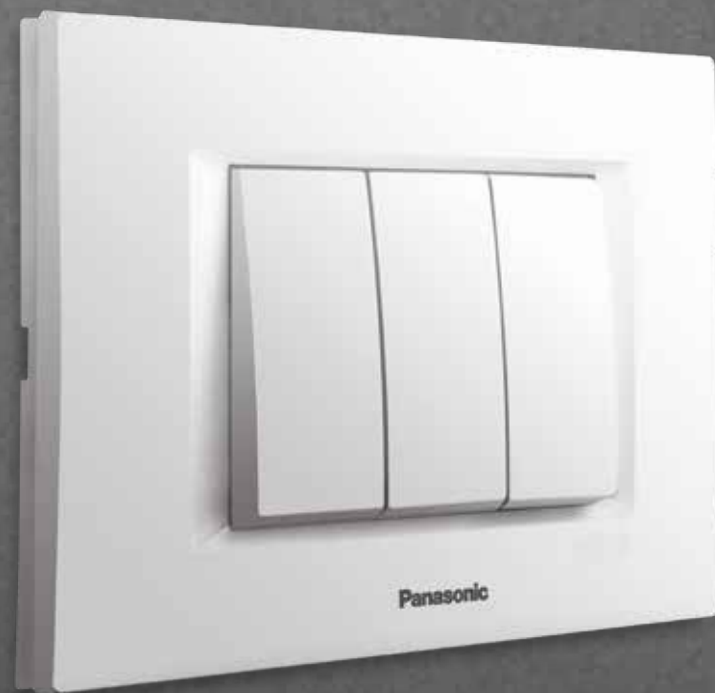


Simplicity taking the center stage with Optima, combining various switching modules. With dimmer products, TV, satellite, network socket solutions, shuttered modular sockets, Optima exhibits its difference.

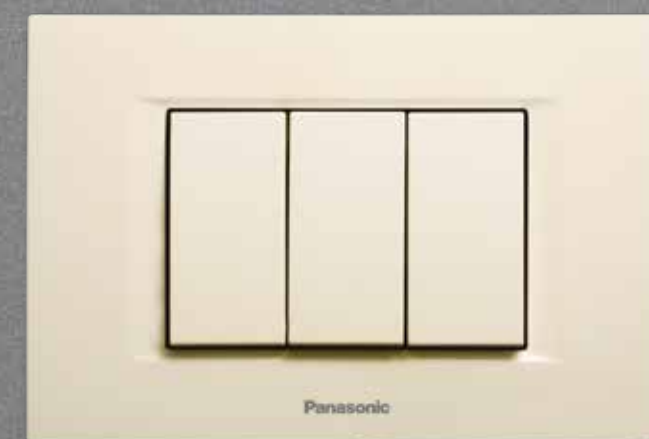
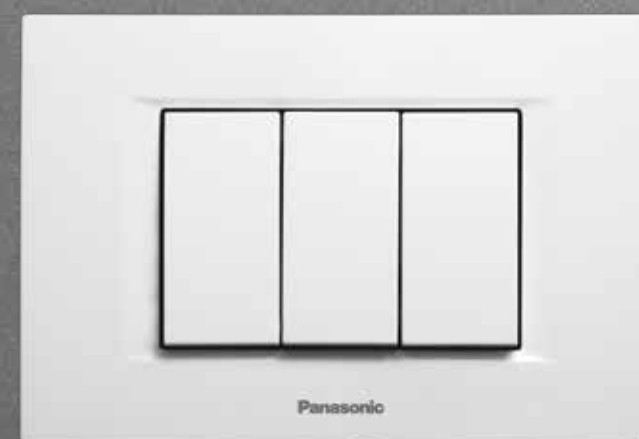


Thea  
optima

Optima style  
Optima simplicity

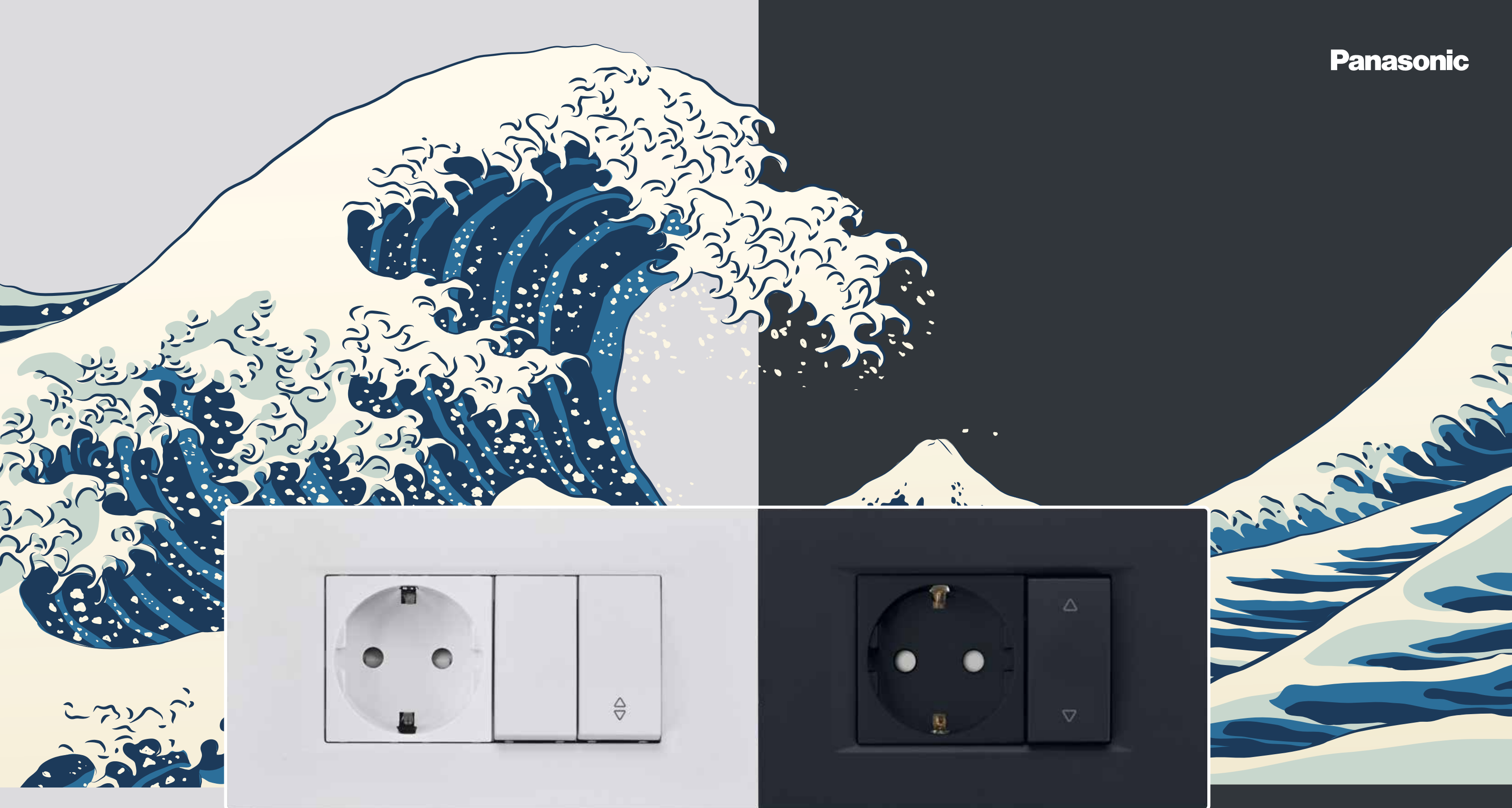


Panasonic

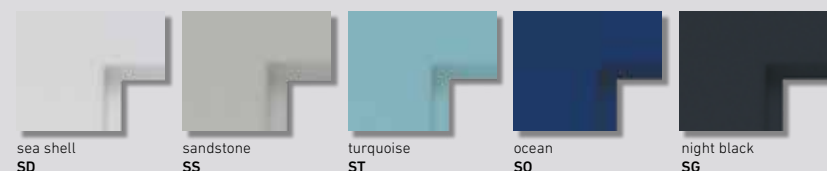


Discover the Optima touch with a catchy form on white and beige color options. Aesthetic attitude accompanying the feeling of comfort brings a modern and exclusive appearance to the living spaces. Thea invites the ones who prefer primarily minimal designs to the world of Optima in modular switch and socket applications.





# Modular SoftTouch



## Elegant touch for modular design

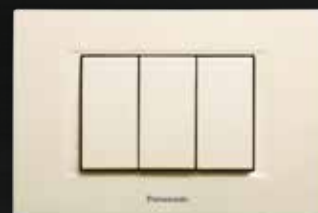
Panasonic Soft Touch Modular is inspired by the magnificent work "The Great Wave of Kanagawa" by Japanese artist Katsushika Hokusai and brings the nobility of art to the walls of your home with its Night Black, Sea Shell, Sandstone, Turquoise and Ocean colour options, its soft texture and its modular structure that combines different uses. Naive in design, elegant in texture.



# Power of colors decoration privileges



White



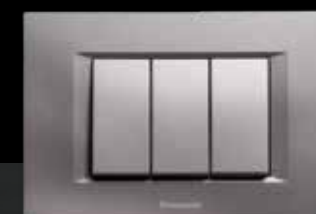
Beige



Metallic White



Dore



Anthracite

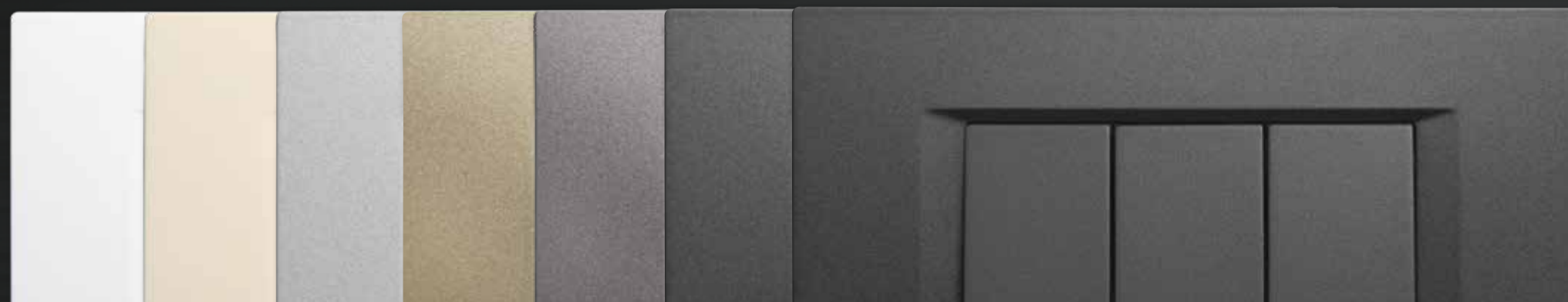


Dark Gray



Black

Optima reflects the elegance of modular design on everyday life with White, Metallic White, Beige, Dore, Anthracite, Dark Gray and Black color options. Optima largely meets the expectations with modern colors for modern decorations. Each preferred Optima serves for the happiness of the users.







Switches



Switch

Mechanism+Rocker 1M  
WVTT10019 ☐

Mechanism+Rocker 2M  
WVTT20019 ☐





16AX, 250V~  
Screw Terminal





Switch, Illuminated

Mechanism+Rocker 1M  
WVTT10029 ☐

Mechanism+Rocker 2M  
WVTT20029 ☐



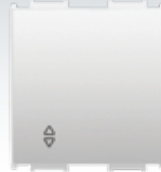
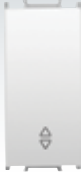
16AX, 250V~  
Screw Terminal





Two-way Switch

Mechanism+Rocker 1M  
WVTT10039 ☐

Mechanism+Rocker 2M  
WVTT20039 ☐





16AX, 250V~  
Screw Terminal





Two-way Switch, Illuminated

Mechanism+Rocker 1M  
WVTT10049 ☐

Mechanism+Rocker 2M  
WVTT20049 ☐





16AX, 250V~  
Screw Terminal





Intermediate Switch

Mechanism+Rocker 1M  
WVTT10059 ☐

Mechanism+Rocker 2M  
WVTT20059 ☐



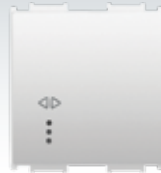

16AX, 250V~  
Screw Terminal





Intermediate Switch, Illuminated

Mechanism+Rocker 1M  
WVTT1006-9 ☐

Mechanism+Rocker 2M  
WVTT20069 ☐





16AX, 250V~  
Screw Terminal





2-pole Switch

Mechanism+Rocker 1M  
WVTT10079 ☐

Mechanism+Rocker 2M  
WVTT20079 ☐





16AX, 250V~  
Screw Terminal





2-pole Switch, Illuminated

Mechanism+Rocker 1M  
WVTT10089 ☐

Mechanism+Rocker 2M  
WVTT20089 ☐



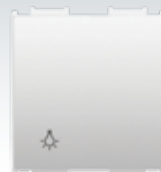

16AX, 250V~  
Screw Terminal





One-way Push Button

Mechanism+Rocker 1M  
WVTT10169 ☐

Mechanism+Rocker 2M  
WVTT20169 ☐





16A, 250V~  
Screw Terminal





Push Button, Illuminated

Mechanism+Rocker 1M  
WVTT10179 ☐

Mechanism+Rocker 2M  
WVTT20179 ☐





16A, 250V~  
Screw Terminal





Push Button with Bell Symbol

Mechanism+Rocker 1M  
WVTT10199 ☐

Mechanism+Rocker 2M  
WVTT20199 ☐



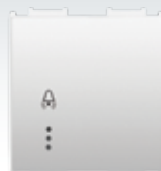

16A, 250V~  
Screw Terminal





Push Button with Bell Symbol, Illuminated

Mechanism+Rocker 1M  
WVTT10209 ☐ (250V~)  
WVTT10469 ☐ (24V)

Mechanism+Rocker 2M  
WVTT20209 ☐ (250V~)  
WVTT20469 ☐ (24V)



16A, 250V~  
Screw Terminal



Rocker Color Alternatives

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Panasonic



ultima | sistema | optima

Switches



2-pole Switch

Rocker 1M  
WVTR10184 ☐

Rocker 2M  
WVTR20074 ☐



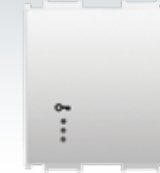

16AX, 250V~  
Screw Terminal





2-pole Switch, Illuminated

Rocker 1M  
WVTR10214 ☐

Rocker 2M  
WVTR20214 ☐



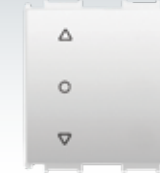
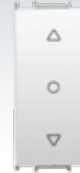
16AX, 250V~  
Screw Terminal





Shutter Control Switch

Mechanism+Rocker 1M  
WVTT10239 ☐

Mechanism+Rocker 2M  
WVTT20239 ☐



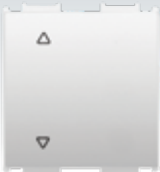

10AX, 250V~  
Screw Terminal





Shutter Control Push Button

Mechanism+Rocker 1M  
WVTT10459 ☐

Mechanism+Rocker 2M  
WVTT20459 ☐




10A, 250V~  
Screw Terminal





Emergency Push Button with Cord

Mechanism+Rocker 1M  
WVTT10259 ☐




16A, 250V~  
Screw Terminal




Blank Cover

Cover Plate 1M  
WVTR17014 ☐



Cable Outlet


Cover Plate 1M  
WVTR17024 ☐





Dimmers

PRO Dimmer R 6-100W

Mechanism+Cover Plate 1M  
WVTT15209 ☐




230V~  
Screw Terminal





PRO Dimmer R 20-300W

Mechanism+Cover Plate 1M  
WVTT15659 ☐




230V~  
Screw Terminal





PRO Dimmer RC 20-300W

Mechanism+Cover Plate 1M  
WVTT15219 ☐




230V~  
Screw Terminal





Rotary Dimmer 1-10V

Mechanism+Cover Plate 2M  
WVTT25279 ☐




230V~  
Screw Terminal





Universal Dimmer 3-150W



Mechanism+Cover Plate 2M  
WVTT25294 ☐



230V~  
Screw Terminal



Rocker/Cover Plate Color Alternatives

Type of Terminals and Electrical Cables		Solid Wire	Stranded Wire	Flexible Wire
	Screw Terminal	1,0-2,5mm <sup>2</sup>	1,0-2,5mm <sup>2</sup>	—
	Screw Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—

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Sockets

Socket 2P

Mechanism+Cover Plate 1M  
WVTT12119

16A, 250V~  
Screw Terminal, Safety Shutter

Italian Type Socket

Mechanism+Cover Plate 1M  
WVTT12329

13A - 16A, 250V~  
Screw Terminal, Safety Shutter

Euro-American Socket

Mech. + Cover Plate 1M  
WVTT12259

Mech. + Cover Plate 1M  
WVTT12309

13A - 16A, 250V~  
Screw Terminal

13A - 16A, 250V~  
Screw Terminal, Safety Shutter

Socket 2P+E

Mech. + Cover Plate 2M  
WVTT22129

Mech. + Cover Plate 2M  
WVTT22129RD

16A, 250V~  
Screw Terminal, Safety Shutter

Socket 2P+E with Lid

Mechanism+Cover Plate 2M  
WVTT22109

16A, 250V~  
Screw Terminal, Safety Shutter

Combi Socket

Mechanism+Cover Plate 2M  
WVTT22249

6A - 10A - 13A, 250V~  
Screwless Terminal, Safety Shutter

Israel Type Socket

Mechanism+Cover Plate 2M  
WVTT23279

16A, 250V~  
Screw Terminal, Safety Shutter

Italian Type Socket

Mechanism+Cover Plate 2M  
WVTT22431

16A, 250V~  
Screw Terminal, Safety Shutter

USB Charger Socket

Mechanism+Cover Plate  
WVTT22319

WVTT12319

10W, 230V~  
Screw Terminal

Shaver Socket

Mechanism+Cover Plate 3M  
WVTT32339

20VA, 110 / 230V~  
Screw Terminal

C Type 5V-3A 18W Socket

Mechanism+Cover Plate 1M  
WVTT12424

18W, 230V~  
Screw Terminal, Safety Shutter

A+C Type 5V-3A 15W Socket

Mechanism+Cover Plate 1M  
WVTT12419

15W, 230V~  
Screw Terminal, Safety Shutter

Cover Plate Color Alternatives

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ultima | sistema | optima

Panasonic

Data and Television Sockets

Phone Socket (CAT3)

Mechanism+Cover Plate 1M  
WVTT14029

Data Socket (CAT5)

Mechanism+Cover Plate 1M  
WVTT14049

Data Socket (CAT6)

Mechanism+Cover Plate 1M  
WVTT14059

British Type Phone Jack

Mechanism+Cover Plate 1M  
WVTT14189

USB Connector

Mechanism+Cover Plate 1M  
WVTT14199

TV Socket, Terminated

Mechanism+Cover Plate 1M  
WVTT14519

TV Socket, Through-pass

Mechanism+Cover Plate 1M  
WVTT14539

WVTT14529

(8dB)

(12dB)

TV Socket, Lossless

Mechanism+Cover Plate 1M  
WVTT14549

SAT Socket with F Connector, Terminated

Mechanism+Cover Plate 1M  
WVTT14589

SAT Socket with F Connector, Through-pass (10)

Mechanism+Cover Plate 1M  
WVTT14599

Cover Plate Color Alternatives

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Data and Television Sockets

TV-SAT Socket, Terminated

Mechanism+Cover Plate 1M  
WVTT14609





TV-SAT Socket, Terminated

Mechanism+Cover Plate 2M  
WVTT24609





TV-SAT Socket, Through-pass

Mechanism+Cover Plate 2M  
WVTT24629 (8dB)  
WVTT24619 (11dB)







Multimedia Sockets

Connector for HDMI Connection


Mechanism+Cover Plate 1M  
WVTT14709






VGA Connector


Mechanism+Cover Plate 1M  
WVTT14719  
WVTT14739 (with Terminal)






RCA Connector

Mechanism+Cover Plate 1M  
WVTT14729





Volume Control Switch

Mechanism+Cover Plate 2M  
WVTT25619  
WVTT25649 (with Transformer)





Audio Channel Selection Switch

Mechanism+Cover Plate 2M  
WVTT25639





Audio Socket

Mechanism+Cover Plate 1M  
WVTT15609






Cover Plate Color Alternatives




Electronic Products

Analog Thermostat

Mechanism+Cover Plate 2M  
WVTT25419







230V~

Motion Sensor

Mechanism+Cover Plate 1M  
WVTT15509







230V~, 1100W/VA

Buzzer / Ding-Dong

Mechanism+Cover Plate 1M  
WVTT17039 (Buzzer) WVTT17049 (Ding-Dong)







230V~, 25mA

Hotel DND/MUR Switch

Mechanism+Cover Plate 2M  
WVTT20149

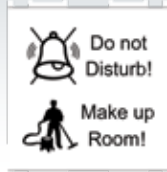





16AX, 250V~  
Screw Terminal

Do not Disturb/Make-up Room Indicator

Mechanism+Cover Plate 2M  
WVTT27059NC





230V~, 2.5W Power Consumption

Cover Plate Color Alternatives





Direction Indicators

**Orientation Lamp - White**  
Mechanism+Cover Plate 2M  
WVTT27249WH



230V~, 5W Power Consumption

**Orientation Lamp - Red**  
Mechanism+Cover Plate 2M  
WVTT27249RD



230V~, 5W Power Consumption

**Orientation Lamp - Green**  
Mechanism+Cover Plate 2M  
WVTT27249GR



230V~, 5W Power Consumption

**Orientation Lamp - Blue**  
Mechanism+Cover Plate 2M  
WVTT27249BU



230V~, 5W Power Consumption

**Direction Indicator - Arrow**  
Mechanism+Cover Plate 2M  
WVTC07079NC



230V~, 5W Power Consumption

**Direction Indicator - Warning**  
Mechanism+Cover Plate 2M  
WVTC07099NC



230V~, 5W Power Consumption

**Direction Indicator - Exit**  
Mechanism+Cover Plate 2M  
WVTC07109NC

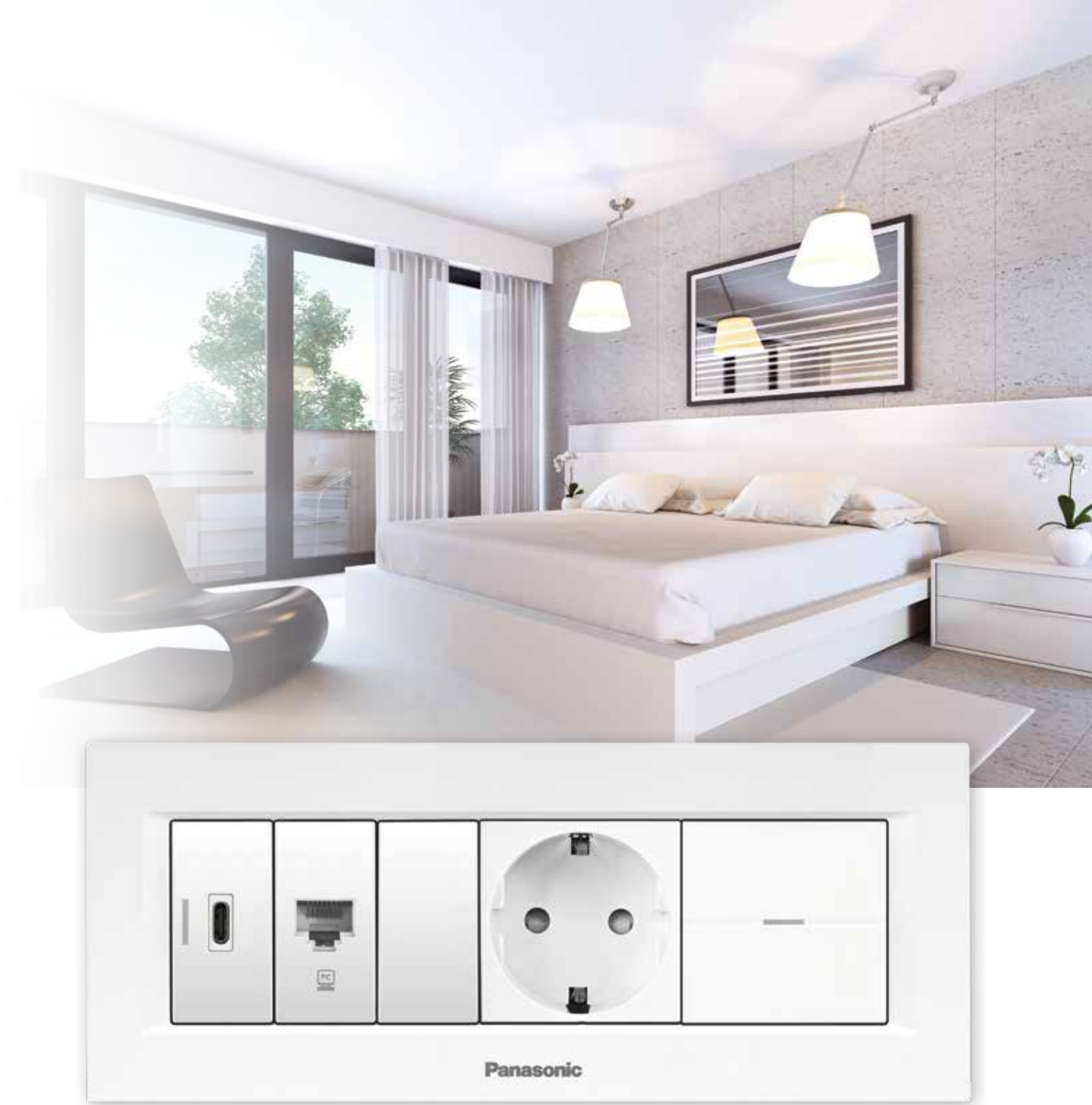


230V~, 5W Power Consumption

**Direction Indicator - Male/Female**

Mech. + Cover Plate 2M WVTC07189NC (M)	Mech. + Cover Plate 2M WVTC07199NC (F)
	

230V~, 5W Power Consumption










Switches (Mechanism and Rockers)

Switch

Mechanism WVTM10019NC	Rocker 1M WVTR10014 <input type="checkbox"/>	Rocker 2M WVTR20014 <input type="checkbox"/>
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16AX, 250V~  
Screw Terminal





Switch, Illuminated

Mechanism WVTM10029NC (250V~) WVTM10429NC (Red Illum.) WVTM10479NC (24V)	Rocker 1M WVTR10024 <input type="checkbox"/>	Rocker 2M WVTR20024 <input type="checkbox"/>
---	---	---






16AX, 250V~  
Screw Terminal





Two-way Switch

Mechanism WVTM10039NC	Rocker 1M WVTR10034 <input type="checkbox"/>	Rocker 2M WVTR20034 <input type="checkbox"/>
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16AX, 250V~  
Screw Terminal





Two-way Switch, Illuminated

Mechanism WVTM10049NC (250V~) WVTM10499NC (24V)	Rocker 1M WVTR10044 <input type="checkbox"/>	Rocker 2M WVTR20044 <input type="checkbox"/>
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16AX, 250V~  
Screw Terminal





Intermediate Switch

Mechanism WVTM10059NC	Rocker 1M WVTR10054 <input type="checkbox"/>	Rocker 2M WVTR20054 <input type="checkbox"/>
--------------------------	---	---






16AX, 250V~  
Screw Terminal





Intermediate Switch, Illuminated

Mechanism WVTM10069NC	Rocker 1M WVTR10064 <input type="checkbox"/>	Rocker 2M WVTR20064 <input type="checkbox"/>
--------------------------	---	---






16AX, 250V~  
Screw Terminal





2-pole Switch

Mechanism WVTM10439NC	Rocker 1M WVTR10014 <input type="checkbox"/>	Rocker 2M WVTR20014 <input type="checkbox"/>
--------------------------	---	---






16AX, 250V~  
Screw Terminal





2-pole Switch, Illuminated

Mechanism WVTM10449NC	Rocker 1M WVTR10024 <input type="checkbox"/>	Rocker 2M WVTR20024 <input type="checkbox"/>
--------------------------	---	---





16AX, 250V~  
Screw Terminal



Cover Plate Color Alternatives






Type of Terminals and Electrical Cables	Solid Wire	Stranded Wire	Flexible Wire
 Screw Terminal	1,0-2,5mm <sup>2</sup>	1,0-2,5mm <sup>2</sup>	—
 Screw Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—



Switches (Mechanism and Rockers)

One-way Push Button

Mechanism WVTM10169NC	Rocker 1M WVTR10164 <input type="checkbox"/>	Rocker 2M WVTR20164 <input type="checkbox"/>
--------------------------	---	---






16A, 250V~  
Screw Terminal





One-way Push Button, Illuminated

Mechanism WVTM10179NC (250V~) WVTM10489NC (24V)	Rocker 1M WVTR10174 <input type="checkbox"/>	Rocker 2M WVTR20174 <input type="checkbox"/>
---	---	---






16A, 250V~  
Screw Terminal





Push Button with Bell Symbol

Mechanism WVTM10169NC	Rocker 1M WVTR10194 <input type="checkbox"/>	Rocker 2M WVTR20194 <input type="checkbox"/>
--------------------------	---	---






16A, 250V~  
Screw Terminal





Push Button with Bell Symbol, Illuminated

Mechanism WVTM10209NC	Rocker 1M WVTR10204 <input type="checkbox"/>	Rocker 2M WVTR20204 <input type="checkbox"/>
--------------------------	---	---






16A, 250V~  
Screw Terminal





Push Button with Key Symbol

Mechanism WVTM10169NC	Rocker 1M WVTR10184 <input type="checkbox"/>	Rocker 2M WVTR20184 <input type="checkbox"/>
--------------------------	---	---






16A, 250V~  
Screw Terminal





Push Button with Key Symbol, Illuminated

Mechanism WVTM10179NC	Rocker 1M WVTR10214 <input type="checkbox"/>	Rocker 2M WVTR20214 <input type="checkbox"/>
--------------------------	---	---






16A, 250V~  
Screw Terminal





Shutter Control Switch

Mechanism WVTM10239NC	Rocker 1M WVTR10234 <input type="checkbox"/>	Rocker 2M WVTR20234 <input type="checkbox"/>
--------------------------	---	---






10AX, 250V~  
Screw Terminal





Shutter Control Push Button

Mechanism WVTM10459NC	Rocker 1M WVTR10454 <input type="checkbox"/>	Rocker 2M WVTR20454 <input type="checkbox"/>
--------------------------	---	---





10A, 250V~  
Screw Terminal



Cover Plate Color Alternatives




Type of Terminals and Electrical Cables	Solid Wire	Stranded Wire	Flexible Wire
 Screw Terminal	1,0-2,5mm <sup>2</sup>	1,0-2,5mm <sup>2</sup>	—
 Screw Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—





Switches (Mechanism and Rockers)

Emergency Push Button with Cord

Mechanism+Rocker 1M  
WVTT10259




16A, 250V~  
Screw Terminal




Double One-way Push Button


Mechanism  
WVTM10139NC





10A, 250V~  
Screw Terminal




Rocker 1M  
WVTR10134







Blank Cover

Cover Plate 1M  
WVTR17014








Dimmers

PRO Dimmer R 6-100W

Mechanism+Cover Plate 1M  
WVTT15209




230V~  
Screw Terminal





PRO Dimmer R 20-300W

Mechanism+Cover Plate 1M  
WVTT15659




230V~  
Screw Terminal





PRO Dimmer RC 20-300W

Mechanism+Cover Plate 1M  
WVTT15219




230V~  
Screw Terminal





Rotary Dimmer 1-10V

Mechanism+Cover Plate 2M  
WVTT25279




230V~  
Screw Terminal





Universal Dimmer 3-150W

Mechanism+Cover Plate 2M  
WVTT2529-4





230V~  
Screw Terminal



Cover Plate Color Alternatives




Type of Terminals and Electrical Cables	Solid Wire	Stranded Wire	Flexible Wire
 Screw Terminal	1,0-2,5mm <sup>2</sup>	1,0-2,5mm <sup>2</sup>	—
 Screw Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—



Sockets (Mechanism and Rockers)

Socket 2P

Mechanism+Cover Plate 1M  
WVTT12119




16A, 250V~  
Screw Terminal, Safety Shutter





Italian Type Socket

Mechanism+Cover Plate 1M  
WVTT12329




13A - 16A, 250V~  
Screw Terminal, Safety Shutter





Euro-American Socket


Mech. + Cover Plate 1M  
WVTT12259





13A - 16A, 250V~  
Screw Terminal



Mech. + Cover Plate 1M  
WVTT12309




13A - 16A, 250V~  
Screw Terminal, Safety Shutter





Socket 2P+E


Mech. + Cover Plate 2M  
WVTT22129



16A, 250V~  
Screw Terminal, Safety Shutter




Mech. + Cover Plate 2M  
WVTT22129 RD





Socket 2P+E with Lid

Mechanism+Cover Plate 2M  
WVTT22109




16A, 250V~  
Screw Terminal, Safety Shutter





Socket 2P+E (French Standard)

Mechanism+Cover Plate 2M  
WVTT22139




16A, 250V~  
Screw Terminal, Safety Shutter





Socket 2P+E (British Type)

Mechanism+Cover Plate 2M  
WVTT22269




6A - 10A - 13A, 250V~  
Screwless Terminal, Safety Shutter





Combi Socket

Mechanism+Cover Plate 2M  
WVTT22249




6A - 10A - 13A, 250V~  
Screwless Terminal, Safety Shutter





Israel Type Socket

Mechanism+Cover Plate 2M  
WVTT22249




16A, 250V~  
Screw Terminal, Safety Shutter





Italian Type Socket

Mechanism+Cover Plate 2M  
WVTT22431




16A, 250V~  
Screw Terminal, Safety Shutter





USB Charger Socket


Mechanism+Cover Plate 2M  
WVTT22319



2A, 230V~  
Screw Terminal




WVTT12319





(1M)




Shaver Socket

Mechanism+Cover Plate 3M  
WVTT32339



20VA, 110 / 230V~  
Screw Terminal



Type of Terminals and Electrical Cables	Solid Wire	Stranded Wire	Flexible Wire
 Screw Terminal	1,0-2,5mm <sup>2</sup>	1,0-2,5mm <sup>2</sup>	—
 Screw Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—
 Screwless Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—

Cover Plate Color Alternatives





Sockets (Mechanism and Rockers)

C Type 5V-3A 18W Socket

Mechanism+Cover Plate 1M  
WVTT12424

A+C 5V-3A 15W Socket

Mechanism+Cover Plate 1M  
WVTT12419

Data and Television Sockets

Phone Socket (CAT3)

Mechanism+Cover Plate 1M  
WVTT14029

Data Socket (CAT5)

Mechanism+Cover Plate 1M  
WVTT14049

Data Socket (CAT6)

Mechanism+Cover Plate 1M  
WVTT14059

British Type Phone Jack

Mechanism+Cover Plate 1M  
WVTT14189

USB Connector

Mechanism+Cover Plate 1M  
WVTT14199

TV Socket, Terminated

Mechanism+Cover Plate 1M  
WVTT14519

TV Socket, Through-pass

Mechanism+Cover Plate 1M  
WVTT14539 (8dB)  
WVTT14529 (12dB)

TV Socket, Lossless

Mechanism+Cover Plate 1M  
WVTT14549

Cover Plate Color Alternatives



Type of Terminals and Electrical Cables		Solid Wire	Stranded Wire	Flexible Wire
	Screw Terminal	1,0-2,5mm <sup>2</sup>	1,0-2,5mm <sup>2</sup>	—
	Screw Terminal	1,5-2,5mm <sup>2</sup>	1,5-2,5mm <sup>2</sup>	—

Data and Television Sockets

SAT Socket with F Connector, Terminated

Mechanism+Cover Plate 1M  
WVTT14589

SAT Socket with F Connector, Through-pass (10 dB)

Mechanism+Cover Plate 1M  
WVTT14599

TV-SAT Socket, Terminated

Mechanism+Cover Plate 1M  
WVTT14609

TV-SAT Socket, Terminated

Mechanism+Cover Plate 2M  
WVTT24609

TV-SAT Socket, Through-pass

Mechanism+Cover Plate 2M  
WVTT24629 (8dB)  
WVTT24619 (11dB)

Multimedia Sockets

Connector for HDMI Connection

Mechanism+Cover Plate 1M  
WVTT14709

VGA Connector

Mechanism+Cover Plate 1M  
WVTT14719  
WVTT14739 (with Terminal)

RCA Connector

Mechanism+Cover Plate 1M  
WVTT14729

Volume Control Switch

Mechanism+Cover Plate 2M  
WVTT25619  
WVTT25649 (with Transformer)

Audio Channel Selection Switch

Mechanism+Cover Plate 2M  
WVTT25639

Audio Socket

Mechanism+Cover Plate 1M  
WVTT15609

Cover Plate Color Alternatives









Mechanism/Rocker/Frame Alternatives

Mechanism

Cover Plate/Rocker

Frame

Complete

ultima

WVTF28435 ☐☐

sistema

WVTF18435 ☐☐

optima

WVTF08431 ☐☐

Cover Plate/Rocker Color Alternatives

white  
WH

beige  
BG

metallic white  
MW

black  
BL

dark gray  
DG

anthracite  
AN

dore  
DR

night black  
SG

sea shell  
SD

sandstone  
SS

ocean  
SO

turquoise  
ST

Frame Color Alternatives

Metallic

inox MIchrome MCgold MG

Glass

white GWlight green GGclaret red GCblack GB

Eloxal

silver ASbronze ARblack AB

Wooden

bamboo WBwenge VWwalnut WW

Metallic

inox  
Inox+Dark Gray IG  
Inox+Metallic White IN

inox matt  
Inox Matt+Dore IM  
Inox Matt+Metallic White IB

chrome  
Chrome+Dark Gray KF  
Chrome+Metallic White CH

chrome matt  
Chrome Matt+Dark Gray KD  
Chrome Matt+Metallic White CM

una  
Una+Dark Gray UN  
Una+Metallic White UW

antique  
Antique+Dore AQ  
Antique+Black AY

gold  
Gold+Dore GL  
Gold+Black GS

Opaque

white  
WH

beige  
BG

Metallic

white  
MW

black  
BL

dark gray  
DG

anthracite  
AN


dore  
DR




Ultima Frames

Frames


2M Frame  
WVTF28405




3M Frame - 1 Module  
WVTF28415




3M Frame  
WVTF28435




3M Frame - 2 Modules  
WVTF28425




4M Frame  
WVTF28445




7M Frame  
WVTF28475




2x2M Frame  
WVTF28485



3x2M Frame  
WVTF28495



4x2M Frame  
WVTF28505



Frame Codes

Frame Colors	2M Frame	3M Frame	4M Frame	7M Frame
Wooden - American Walnut	WVTF28405WW	WVTF28435WW	WVTF28445WW	WVTF28475WW
Wooden - Bamboo	WVTF28405WB	WVTF28435WB	WVTF28445WB	WVTF28475WB
Wooden - Wenge	WVTF28405WV	WVTF28435WV	WVTF28445WV	WVTF28475WV
Eloxal - Bronze	WVTF28405AR	WVTF28435AR	WVTF28445AR	WVTF28475AR
Eloxal - Silver	WVTF28405AS	WVTF28435AS	WVTF28445AS	WVTF28475AS
Eloxal - Black	WVTF28405AB	WVTF28435AB	WVTF28445AB	WVTF28475AB
Glass - White	WVTF28405GW	WVTF28435GW	WVTF28445GW	WVTF28475GW
Glass - Claret Red	WVTF28405GC	WVTF28435GC	WVTF28445GC	WVTF28475GC
Glass - Black	WVTF28405GB	WVTF28435GB	WVTF28445GB	WVTF28475GB
Glass - Light Green	WVTF28405GG	WVTF28435GG	WVTF28445GG	WVTF28475GG
Metallic Chrome	WVTF28405MC	WVTF28435MC	WVTF28445MC	WVTF28475MC
Metallic Gold	WVTF28405MG	WVTF28435MG	WVTF28445MG	WVTF28475MG
Metallic Inox	WVTF28405MI	WVTF28435MI	WVTF28445MI	WVTF28475MI

Frame Colors	2X2M Frame	3X2M Frame	4X2M Frame
Wooden - American Walnut	WVTF28485WW	WVTF28495WW	WVTF28505WW
Wooden - Bamboo	WVTF28485WB	WVTF28495WB	WVTF28505WB
Wooden - Wenge	WVTF28485WV	WVTF28495WV	WVTF28505WV
Eloxal - Bronze	WVTF28485AR	WVTF28495AR	WVTF28505AR
Eloxal - Silver	WVTF28485AS	WVTF28495AS	WVTF28505AS
Eloxal - Black	WVTF28485AB	WVTF28495AB	WVTF28505AB
Glass - White	WVTF28485GW	WVTF28495GW	WVTF28505GW
Glass - Claret Red	WVTF28485GC	WVTF28495GC	WVTF28505GC
Glass - Black	WVTF28485GB	WVTF28495GB	WVTF28505GB
Glass - Light Green	WVTF28485GG	WVTF28495GG	WVTF28505GG
Metallic Chrome	WVTF28485MC	WVTF28495MC	WVTF28505MC
Metallic Gold	WVTF28485MG	WVTF28495MG	WVTF28505MG
Metallic Inox	WVTF28485MI	WVTF28495MI	WVTF28505MI


\*Please be aware while chosing suitable frames for e.saver modules.



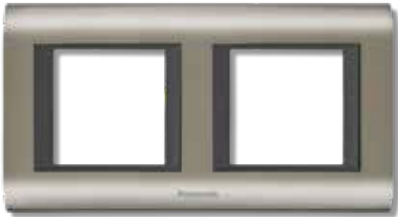
Sistema Frames

Frames


2M Frame  
WVTF18405




2x2M Frame  
WVTF18485




3M Frame  
WVTF18435




3x2M Frame  
WVTF18495




4M Frame  
WVTF18445



4x2M Frame  
WVTF18505



7M Frame  
WVTF18475



Frame Codes

Frame Colors	2M Frame	3M Frame	4M Frame	7M Frame
Antique - Dore	WVTF18405AQ	WVTF18435AQ	WVTF18445AQ	WVTF18475AQ
Antique - Black	WVTF18405AY	WVTF18435AY	WVTF18445AY	WVTF18475AY
Chrome - Dark Gray	WVTF18405KF	WVTF18435KF	WVTF18445KF	WVTF18475KF
Chrome - Metallic White	WVTF18405CH	WVTF18435CH	WVTF18445CH	WVTF18475CH
Chrome Matt - Dark Gray	WVTF18405KD	WVTF18435KD	WVTF18445KD	WVTF18475KD
Chrome Matt - Metallic White	WVTF18405CM	WVTF18435CM	WVTF18445CM	WVTF18475CM
Gold - Black	WVTF18405GS	WVTF18435GS	WVTF18445GS	WVTF18475GS
Inox - Dark Gray	WVTF18405IG	WVTF18435IG	WVTF18445IG	WVTF18475IG
Inox - Metallic White	WVTF18405IN	WVTF18435IN	WVTF18445IN	WVTF18475IN
Inox Matt - Dore	WVTF18405IM	WVTF18435IM	WVTF18445IM	WVTF18475IM
Inox Matt - Metallic White	WVTF18405IB	WVTF18435IB	WVTF18445IB	WVTF18475IB
Una - Dark Gray	WVTF18405UN	WVTF18435UN	WVTF18445UN	WVTF18475UN
Una - Metallic White	WVTF18405UW	WVTF18435UW	WVTF18445UW	WVTF18475UW

Frame Colors	2X2M Frame	3X2M Frame	4X2M Frame
Antique - Dore	WVTF18485AQ	WVTF18495AQ	WVTF18505AQ
Antique - Black	WVTF18485AY	WVTF18495AY	WVTF18505AY
Chrome - Dark Gray	WVTF18485KF	WVTF18495KF	WVTF18505KF
Chrome - Metallic White	WVTF18485CH	WVTF18495CH	WVTF18505CH
Chrome Matt - Dark Gray	WVTF18485KD	WVTF18495KD	WVTF18505KD
Chrome Matt - Metallic White	WVTF18485CM	WVTF18495CM	WVTF18505CM
Gold - Black	WVTF18485GS	WVTF18495GS	WVTF18505GS
Inox - Dark Gray	WVTF18485IG	WVTF18495IG	WVTF18505IG
Inox - Metallic White	WVTF18485IN	WVTF18495IN	WVTF18505IN
Inox Matt - Dore	WVTF18485IM	WVTF18495IM	WVTF18505IM
Inox Matt - Metallic White	WVTF18485IB	WVTF18495IB	WVTF18505IB
Una - Dark Gray	WVTF18485UN	WVTF18495UN	WVTF18505UN
Una - Metallic White	WVTF18485UW	WVTF18495UW	WVTF18505UW


\*Please be aware while chosing suitable frames for e.saver modules.




Optima Frames

Frames


2M Frame  
WVTF08401




3M Frame - 1 Module  
WVTF08411




IP55 Frame 3M  
WVTF08601 WH/BG




3M Frame  
WVTF08431




3M Frame - 2 Modules  
WVTF08421




IP55 Frame 4M  
WVTF08611 WH/BG




4M Frame  
WVTF08441




7M Frame  
WVTF08471




2x2M Frame  
WVTF08481



3x2M Frame  
WVTF08491



4x2M Frame  
WVTF08501



Frame Codes

Frame Colors	2M Frame	3M Frame	1/3M Frame	2/3M Frame
Anthracite	WVTF08401AN	WVTF08431AN	WVTF08411AN	WVTF08421AN
Dore	WVTF08401DR	WVTF08431DR	WVTF08411DR	WVTF08421DR
Dark Gray	WVTF08401DG	WVTF08431DG	WVTF08411DG	WVTF08421DG
Beige	WVTF08401BG	WVTF08431BG	WVTF08411BG	WVTF08421BG
Metallic White	WVTF08401MW	WVTF08431MW	WVTF08411MW	WVTF08421MW
Opaque White	WVTF08401WH	WVTF08431WH	WVTF08411WH	WVTF08421WH
Black	WVTF08401BL	WVTF08431BL	WVTF08411BL	WVTF08421BL

Frame Colors	4M Frame	7M Frame	2X2M Frame	3X2M Frame
Anthracite	WVTF08441AN	WVTF08471AN	WVTF08481AN	WVTF08491AN
Dore	WVTF08441DR	WVTF08471DR	WVTF08481DR	WVTF08491DR
Dark Gray	WVTF08441DG	WVTF08471DG	WVTF08481DG	WVTF08491DG
Beige	WVTF08441BG	WVTF08471BG	WVTF08481BG	WVTF08491BG
Metallic White	WVTF08441MW	WVTF08471MW	WVTF08481MW	WVTF08491MW
Opaque White	WVTF08441WH	WVTF08471WH	WVTF08481WH	WVTF08491WH
Black	WVTF08441BL	WVTF08471BL	WVTF08481BL	WVTF08491BL

Frame Colors	4X2M Frame
Anthracite	WVTF08501AN
Dore	WVTF08501DR
Dark Gray	WVTF08501DG
Beige	WVTF08501BG
Metallic White	WVTF08501MW
Opaque White	WVTF08501WH
Black	WVTF08501BL

\*Please be aware while chosing suitable frames for e.saver modules.



Mounting Frames



WVTC07304NC Mounting Frame 2M  
WVTC07314NC Mounting 2M-Hollow Wall



WVTC07324NC Mounting Frame 2M-Metal



WVTC07334NC Mounting Frame 2/3M  
WVTC07374NC Mounting Frame 2/3M With Claw



WVTC07344NC Mounting Frame 3M



WVTC07354NC Mounting Frame 4M



WVTC07364NC Mounting Frame 7M

Wall Mount Boxes



WVTC07844NC  
2M Wall Mount Box H.F - Hollow Wall



WVTC07854NC  
3M Wall Mount Box H.F - Hollow Wall



WVTC07804NC  
2M Wall Mount Box H.F



WVTC07814NC  
3M Wall Mount Box H.F



WVTC07864NC  
4M Wall Mount Box H.F - Hollow Wall



WVTC07874NC  
7M Wall Mount Box H.F - Hollow Wall



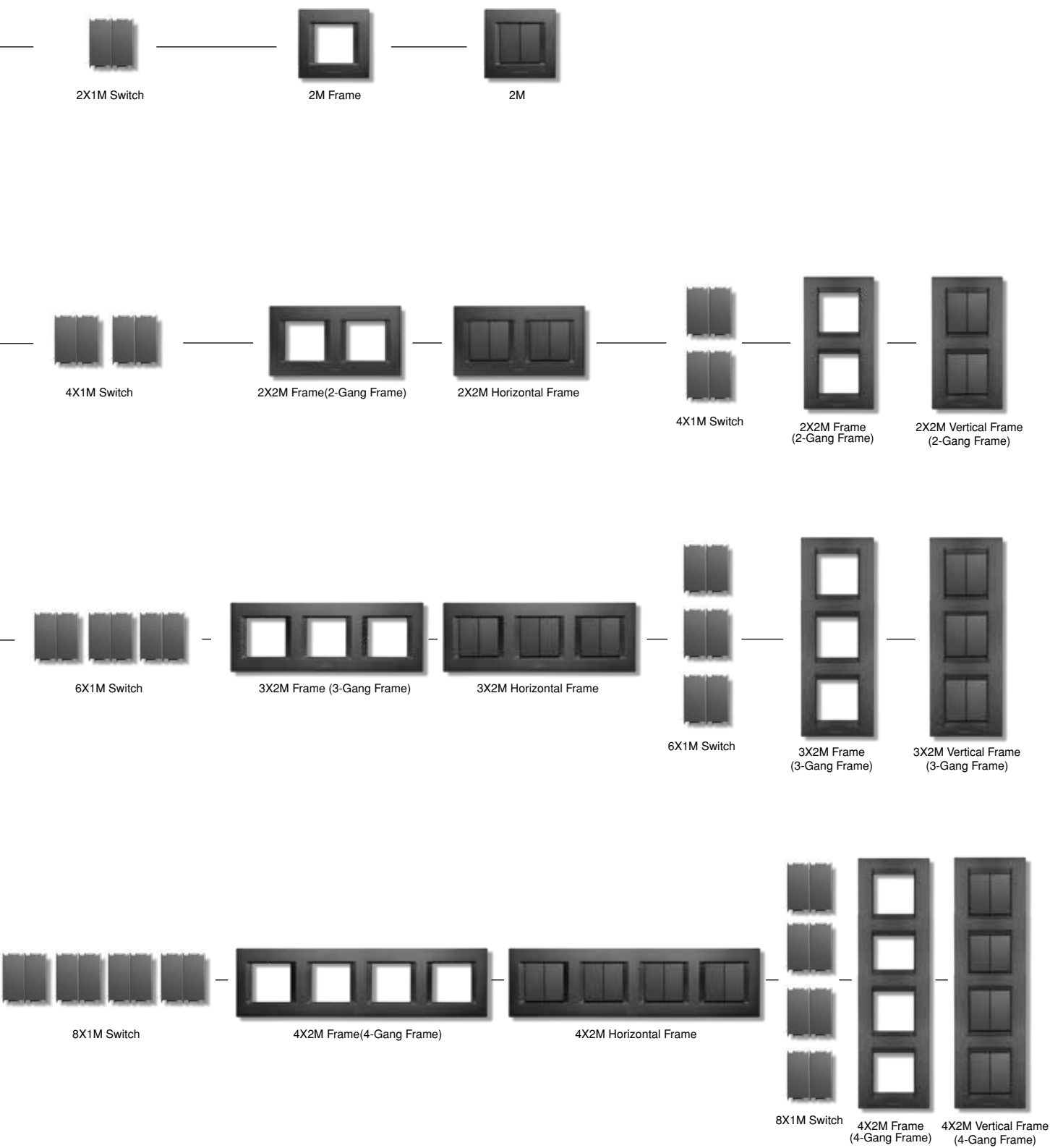
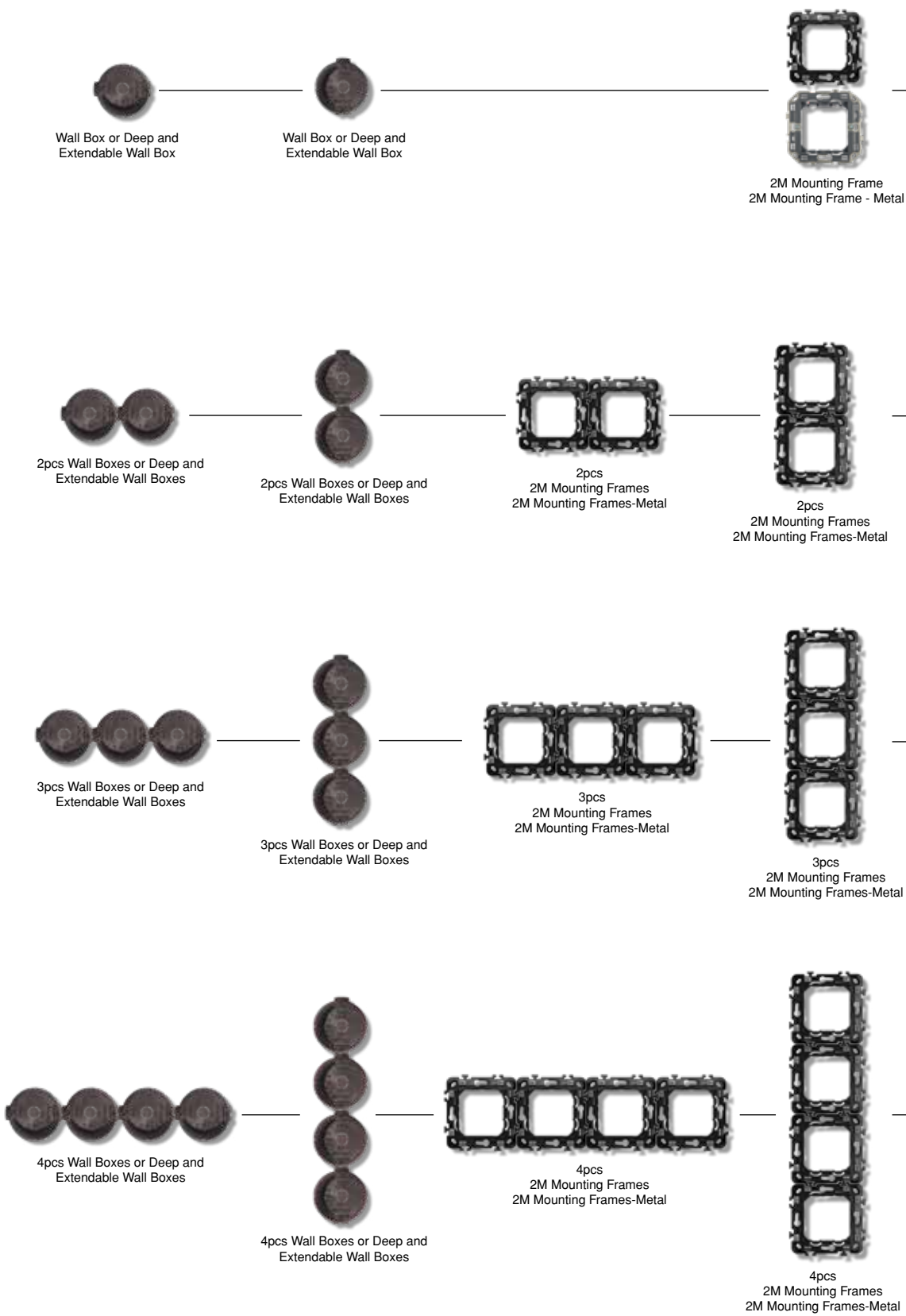
WVTC07824NC  
4M Wall Mount Box H.F



WVTC07834NC  
7M Wall Mount Box H.F



Assembling for Wall Box




Order Codes and Product Name


WVTC07304NC	Mounting Frame 2M	WVTC07374NC	Mounting Frame 2/3M with Claw
WVTC07314NC	Mounting Frame 2M- Hollow wall	WVTC07344NC	Mounting Frame 3M
WVTC07324NC	Mounting Frame 2M-Metal	WVTC07354NC	Mounting Frame 4M
WVTC07334NC	Mounting Frame 2/3M	WVTC07364NC	Mounting Frame 7M




Assembling for Hollow Wall Mounting Box




2M Wall Mount Box H.F. - Hollow Wall




2M Mounting Frame  
2M Mounting Frame-Metal  
2M Mounting Frame-Hollow wall




3M Wall Mount Box H.F. - Hollow Wall




2/3M Mounting Frame




3M Wall Mount Box H.F. - Hollow Wall



3M Mounting Frame



4M Wall Mount Box H.F. - Hollow Wall



4M Mounting Frame



7M Wall Mount Box H.F. - Hollow Wall



7M Mounting Frame




2X1M Switch




2M Frame




2M




2X1M Switch




2/3M Frame




2/3M




1M Switch




1/3M Frame




1/3M



3X1M Switch



3M Frame



3M




4X1M Switch




4M Frame




4M



7X1M Switch



7M Frame



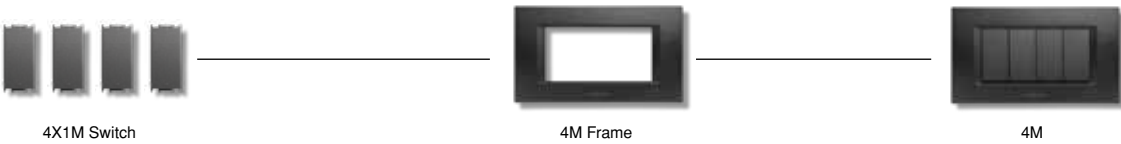
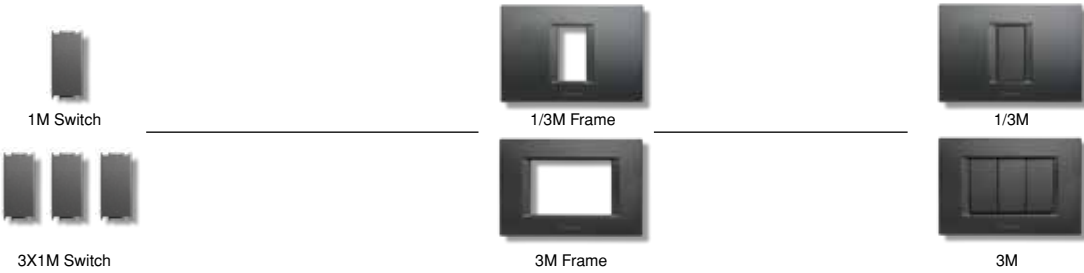
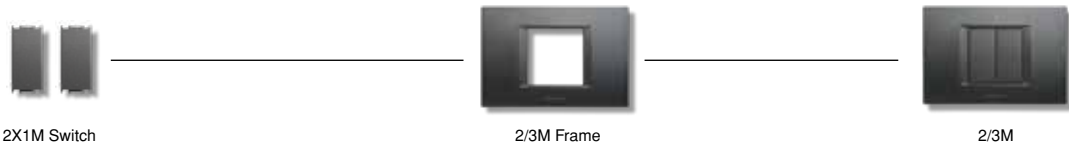
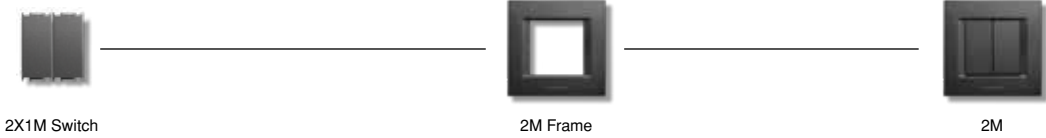
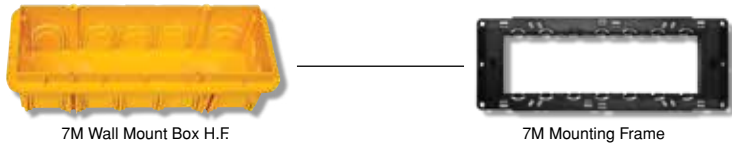
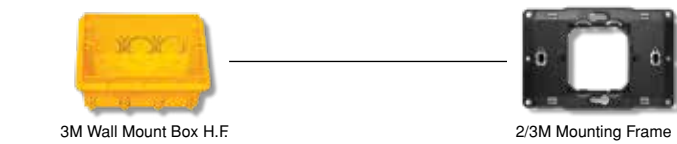
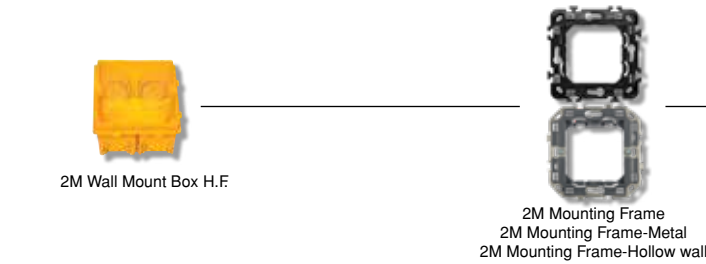
7M

Order Codes and Product Name

WVTC07844NC	2M Wall Mount Box H.F.- Hollow Wall
WVTC07854NC	3M Wall Mount Box H.F.- Hollow Wall
WVTC07864NC	4M Wall Mount Box H.F.- Hollow Wall
WVTC07874NC	7M Wall Mount Box H.F.- Hollow Wall



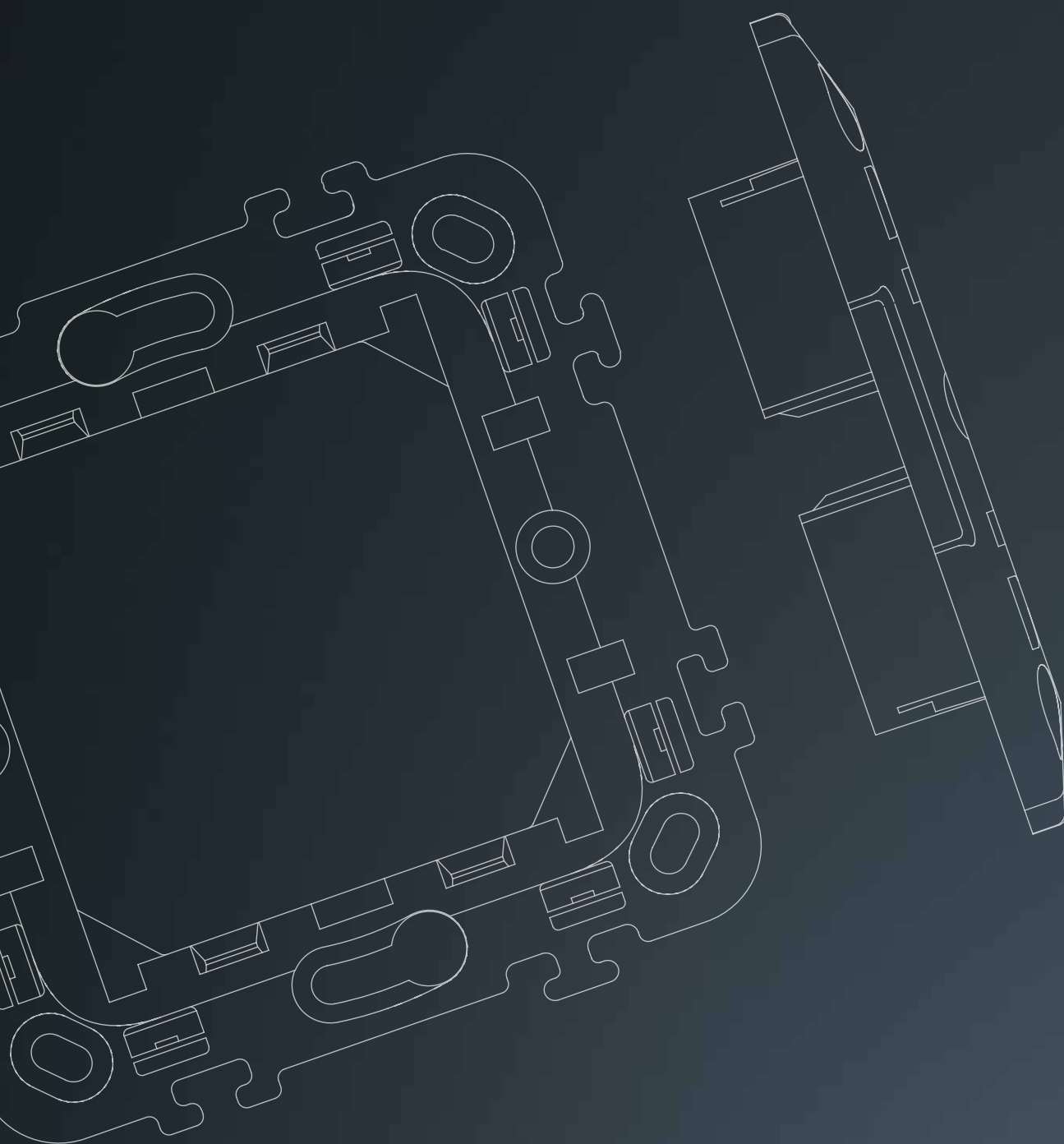
Assembling for Modular Box



Order Codes and Product Name

WVTC07804NC	2M Wall Mount Box H.F.
WVTC07814NC	3M Wall Mount Box H.F.
WVTC07824NC	4M Wall Mount Box H.F.
WVTC07834NC	7M Wall Mount Box H.F.





## Technical Specifications

- 62 - 71** Technical Specifications and Circuit Diagrams
  - 72** Ultima Frame Dimensions
  - 73** Sistema Frame Dimensions
  - 74** Optima Frame Dimensions
  - 75** Wall Box Dimensions
  - 76** Mounting Frame Dimensions



## Technical Drawings and Circuit Diagrams

Technical Specifications	Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls a lamp or a lamp group from a point.</li> <li>16AX, 250V~</li> <li>One-way</li> <li>Screw connection</li> </ul>		
Technical Specifications	One-Way Switch, Illuminated	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls a lamp or a lamp group from a point.</li> <li>16AX, 250V~</li> <li>One-way</li> <li>Illuminated indicator</li> <li>Screw connection</li> </ul>		
Technical Specifications	Two-Way Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls a lamp or a lamp group from two different points.</li> <li>16AX, 250V~</li> <li>Two-way</li> <li>Screw connection</li> </ul>		
Technical Specifications	Two-Way Switch, Illuminated	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls a lamp or a lamp group from two different points.</li> <li>16AX, 250V~</li> <li>Two-way</li> <li>Illuminated indicator</li> <li>Screw connection</li> </ul>		<p>In case the load to be controlled by the product is a load generating in-rush like LED lamp and CFL lamp, please read the warnings part.</p>
Technical Specifications	Intermediate Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls a lamp or a lamp group from more than two points.</li> <li>16AX, 250V~</li> <li>Two-way</li> <li>Screw connection</li> </ul>		
Technical Specifications	Intermediate Switch, Illuminated	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls a lamp or a lamp group from more than two points.</li> <li>16AX, 250V~</li> <li>Two-way</li> <li>Illuminated indicator</li> <li>Screw connection</li> </ul>		<p>In case the load to be controlled by the product is a load generating in-rush like LED lamp and CFL lamp, please read the warnings part.</p>
Technical Specifications	Two-Pole Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>Two poles enable simultaneous disconnection of switches, phase and neutral.</li> <li>16AX, 250V~</li> <li>Double pole, one-way</li> <li>Screw connection</li> </ul>		

## Technical Drawings and Circuit Diagrams

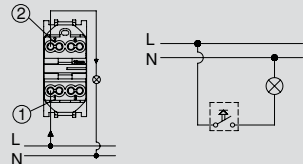
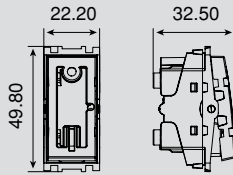
Technical Specifications	Two-Pole Switch, Illuminated	Circuit Diagram
<ul style="list-style-type: none"> <li>Two poles enable simultaneous disconnection of switches, phase and neutral.</li> <li>16AX, 250V~</li> <li>Double pole, single way</li> <li>Illuminated indicator</li> <li>Screw connection</li> </ul>		<p>In case the load to be controlled by the product is a load generating in-rush like LED lamp and CFL lamp, please read the warnings part.</p>
Technical Specifications	One-Way Push Button	Circuit Diagram
<ul style="list-style-type: none"> <li>Generates control signals for external trigger circuits such as building lights with automatic timer, motion detector or automated system.</li> <li>16A, 250V~</li> <li>One-way</li> <li>Push button, instant trigger</li> <li>Screw connection</li> </ul>		
Technical Specifications	One-Way Push Button, Illuminated	Circuit Diagram
<ul style="list-style-type: none"> <li>Generates control signals for external trigger circuits such as building lights with automatic timer, motion detector or automated system.</li> <li>16A, 250V~</li> <li>One-way</li> <li>Push button, instant trigger</li> <li>Illuminated indicator</li> <li>Screw connection</li> </ul>		<p>In case the load to be controlled by the product is a load generating in-rush like LED lamp and CFL lamp, please read the warnings part.</p>
Technical Specifications	Push Button with Key Symbol	Circuit Diagram
<ul style="list-style-type: none"> <li>Generates control signals for external trigger circuits such as building lights with automatic timer, motion detector or automated system.</li> <li>16A, 250V~</li> <li>One-way</li> <li>Push button, instant trigger</li> <li>Screw connection</li> </ul>		
Technical Specifications	Push Button with Bell Symbol	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls the door bell.</li> <li>16A, 250V~</li> <li>One-way</li> <li>Push button, instant trigger</li> <li>Screw connection</li> </ul>		
Technical Specifications	Push Button with Bell Symbol, Illuminated	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls the door bell.</li> <li>16A, 250V~</li> <li>Push button, instant trigger</li> <li>Illuminated indicator</li> <li>Screw connection</li> </ul>		<p>In case the load to be controlled by the product is a load generating in-rush like LED lamp and CFL lamp, please read the warnings part.</p>
Technical Specifications	Shutter Control Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>Controls up and down movement of shutters, by controlling shutter motors via single button</li> <li>10AX, 250V~</li> <li>Two way, three positions</li> <li>Screw connection</li> </ul>		



## Technical Drawings and Circuit Diagrams

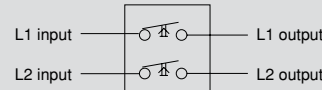
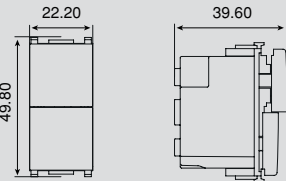
	Technical Specifications	Emergency Push Button with Cord	Circuit Diagram
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- Generates control signals for external trigger circuits such as building lights with automatic timer, motion detector or automated system.
- 16AX, 250V~
- One-way
- Push button, instant trigger
- Screw connection



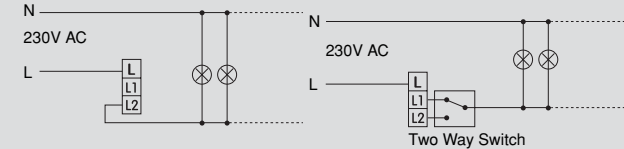
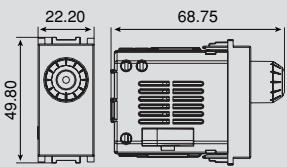
	Technical Specifications	Double One-way Push Button	Circuit Diagram
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- Generates two different control signals for external trigger circuits such as motion detectors or automated systems.
- Two independent phase inputs allow connection of multiple different phases.
- 10AX, 250V~
- Double pole, single way
- Screw connection



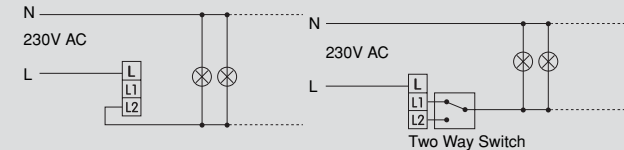
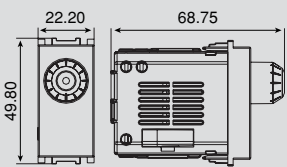
	Technical Specifications	Pro Dimmer R 300W 1M	Circuit Diagram
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- R type dimmer
- 300W maximum output power (R type load)
- 20W minimum output power
- Feature to use as two-way
- Feature to switch on/off at the set level of dimming



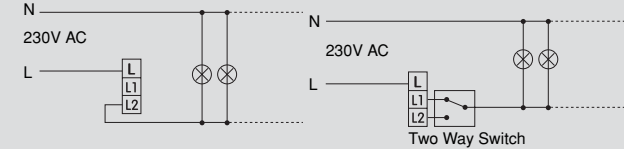
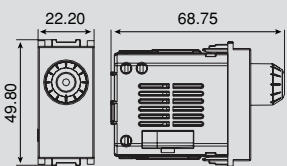
	Technical Specifications	Pro Dimmer R 6-100W/VA	Circuit Diagram
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- R type dimmer
- 100W maximum output power (R type load)
- 6W minimum output power
- Feature to use as two-way
- Feature to switch on/off at the set level of dimming



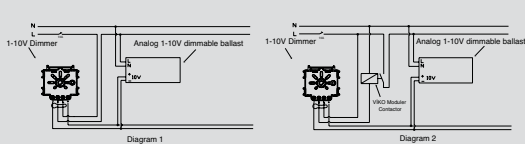
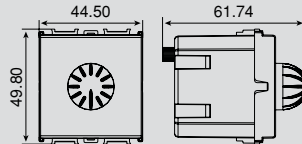
	Technical Specifications	Pro Dimmer RC 20-300W/VA	Circuit Diagram
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- RC type dimmer
- 300W maximum output power (R type load) 300VA maximum output power 300VA (C type load)
- 20W minimum output power
- Feature to use as two-way
- Feature to switch on/off at the set level of dimming



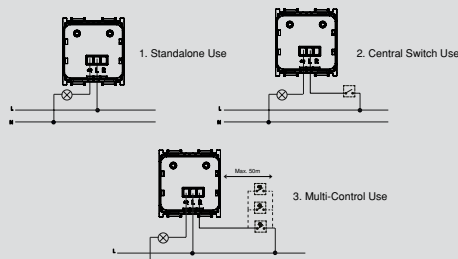
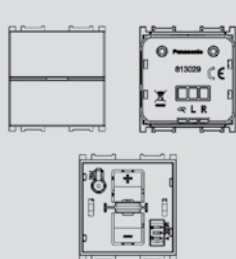
	Technical Specifications	Rotary Dimmer 1-10V	Circuit Diagram
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- Operating temperature +5°C...+35°C
- 1V...10V control voltage olacak
- Control current 50mA
- Switching current 5AX
- Fuse 500mA



	Technical Specifications	Universal Dimmer	Circuit Diagram
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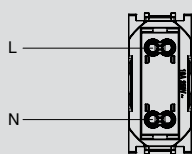
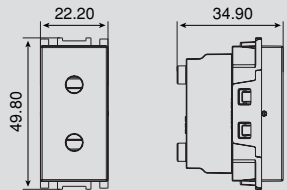
- Operating voltage 230 Vac +/- %10, 50Hz
- Switching type either leading or trailing Edge selected by
- Suitable for dimmable LEDs.
- Operating temperature 0°C...+35°C
- Load types - Incandescent lamps
- HV halogen lamps - LV halogen lamps with Electronic transformer - LV halogen lamps with Ferromagnetic transformer - Dimmable LED & Dimmable CFL
- Protections for electronic short circuit & overload
- Delayed switch and central switch features
- Compliant standards EN 60669-2-1, EN 60669-1
- Control type push button



## Technical Drawings and Circuit Diagrams

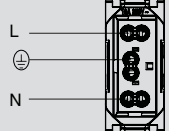
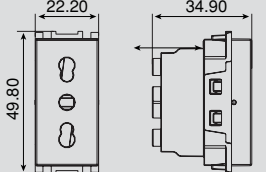
	Technical Specifications	Socket 2P, Safety Shutter	Circuit Diagram
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- 16A, 250V~
- 2P
- Safety Shutter
- Screw connection



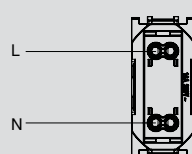
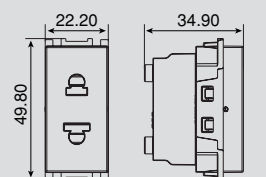
	Technical Specifications	Italian Type Socket	Circuit Diagram
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- 13A-16A
- 2P+E
- Safety Shutter
- Screw connection



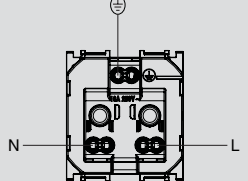
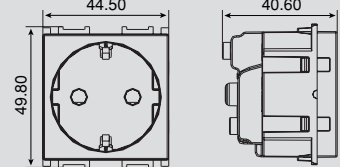
	Technical Specifications	Euro-American Socket	Circuit Diagram
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- 13A-16A
- 2P
- Safety Shutter option
- Screw connection



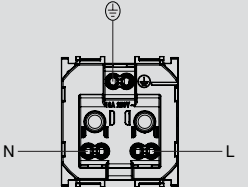
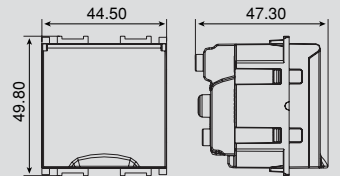
	Technical Specifications	Socket 2P+E, Safety Shutter	Circuit Diagram
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- 16A, 250V~
- 2P+E
- Safety Shutter
- Screw connection



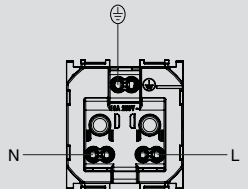
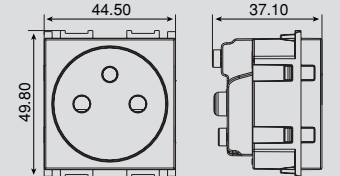
	Technical Specifications	Socket 2P+E with Lid, Safety Shutter	Circuit Diagram
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- 16A, 250V~
- 2P+E
- Safety Shutter
- Screw connection



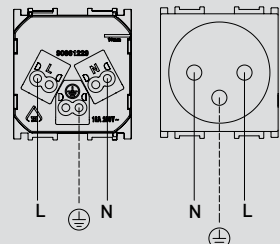
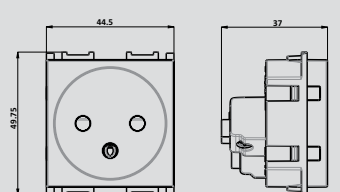
	Technical Specifications	Socket 2P+E French Type, Safety Shutter	Circuit Diagram
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- 16A, 250V~
- 2P+E
- Safety Shutter
- Screw connection




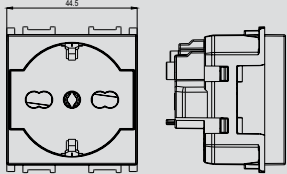
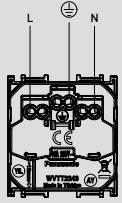

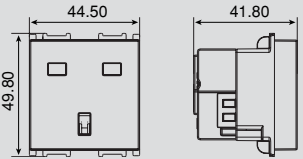
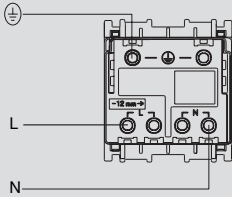

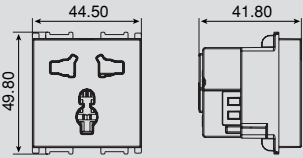
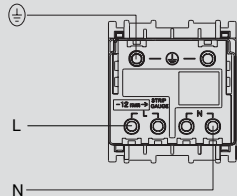

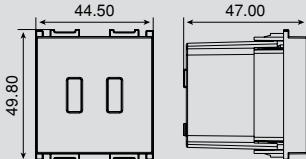
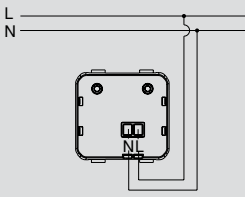

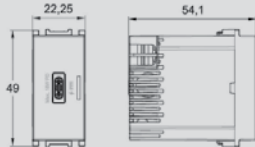
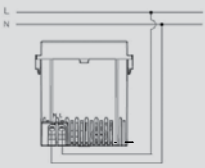

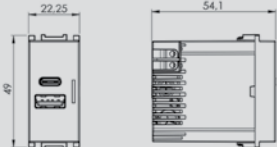
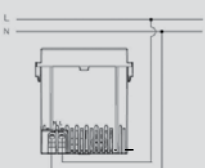

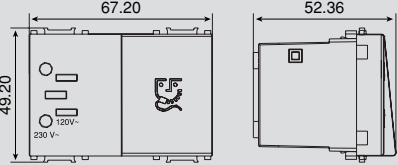
	Technical Specifications	Israel Type Socket	Circuit Diagram
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- 16A 250V~
- Screw Terminal
- Safety Shutter


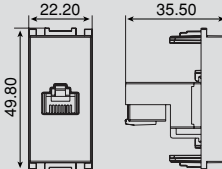
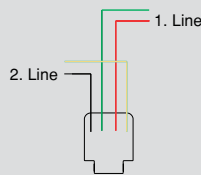

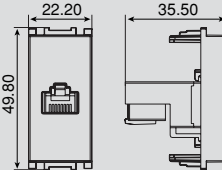
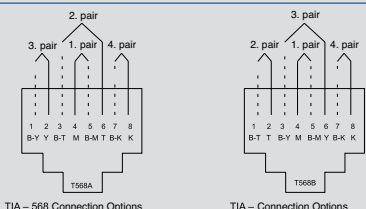

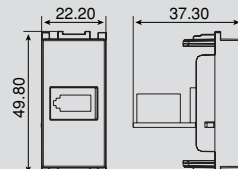
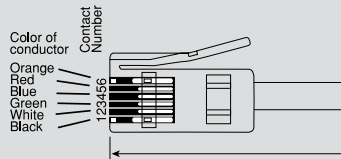

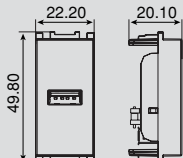

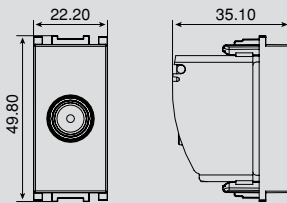




Technical Drawings and Circuit Diagrams

	<b>Technical Specifications</b>	<b>Italian Type Socket</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 16A 250V~</li><li>• Screw Terminal</li><li>• Safety Shutter</li></ul><div></div><div></div></div>			
	<b>Technical Specifications</b>	<b>Socket 2P+E British Type, Safety Shutter</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 6A-10A-13A</li><li>• 2P+E</li><li>• Safety Shutter</li><li>• Quick connection</li></ul><div></div><div></div></div>			
	<b>Technical Specifications</b>	<b>Combi Socket</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 6A-10A-13A</li><li>• 2P+E</li><li>• Safety Shutter</li><li>• Quick connection</li></ul><div></div><div></div></div>			
	<b>Technical Specifications</b>	<b>USB Charger Socket</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 230VAC +- 10% 50Hz</li><li>• Output 5VDC 2A (Total Output 10W)</li><li>• Operating temperature +10°C...+40°C</li><li>• Screw connection</li><li>• Over voltage protection</li><li>• Over current protection</li><li>• Over temperature protection</li><li>• Short circuit protection</li></ul><div></div><div></div></div>			
	<b>Technical Specifications</b>	<b>C Type Socket</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 230VAC +- 10% 50Hz</li><li>• Output 5VDC 3A(15W) / 9VDC 2A(18W)</li><li>• Operating temperature +10°C...+40°C</li><li>• Screw connection</li><li>• Over voltage protection</li><li>• Over current protection</li><li>• Over temperature protection</li><li>• Short circuit protection</li></ul><div></div><div></div></div>			
	<b>Technical Specifications</b>	<b>A+C Type Socket</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 230VAC +- 10% 50Hz</li><li>• Output 5VDC 3A (Total Output 15W)</li><li>• Operating temperature +10°C...+40°C</li><li>• Screw connection</li><li>• Over voltage protection</li><li>• Over current protection</li><li>• Over temperature protection</li><li>• Short circuit protection</li></ul><div></div><div></div></div>			
	<b>Technical Specifications</b>	<b>Shaver Socket</b>	<b>Circuit Diagram</b>
<div><ul style="list-style-type: none"><li>• 230V~, 50/60Hz</li><li>• 230V~/ 120V~ output voltage</li><li>• 20VA maximum load</li><li>• IP21 protection class</li><li>• Feature of not consuming energy when not in use</li></ul><div></div></div>			

Technical Drawings and Circuit Diagrams

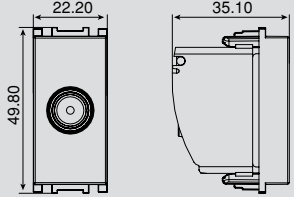
	<b>Technical Specifications</b>	<b>Phone Socket (RJ11)</b>	<b>Circuit Diagram</b>																																								
<ul style="list-style-type: none"><li>• Connector structure complying with RJ11 standard has four contacts.</li><li>• Two telephone lines can be connected.</li><li>• Green and red wires are used for the 1st line, and yellow and black wires for the 2nd line.</li></ul>																																											
	<b>Technical Specifications</b>	<b>Data Socket (RJ45)</b>	<b>Circuit Diagram</b>																																								
<ul style="list-style-type: none"><li>• RJ45 connector complying with standards EIA/TIA 568 A and B</li><li>• Pins on it have been marked according to both 568 A and 568 B standards.</li></ul>																																											
	<b>Technical Specifications</b>	<b>British Type Phone Socket</b>	<b>Circuit Diagram</b>																																								
<ul style="list-style-type: none"><li>• Pins on it have been marked according to both 431A and 631A standards.</li></ul>																																											
	<b>Technical Specifications</b>	<b>USB Connector</b>	<b>Circuit Diagram</b>																																								
																																											
	<b>Technical Specifications</b>	<b>TV Socket</b>	<b>Circuit Diagram</b>																																								
<ul style="list-style-type: none"><li>• Shielded. Shielded, does not get affected by airborne radio signals.</li><li>• Screw type mounting.</li><li><b>TV Socket, Through-pass</b></li><li>• Used for broadcast distribution to multiple TV receivers where broadcast is received from UHF/VHF bands to the center via an antenna system and then distributed via inter-socket or inter-floor -in multi-storey buildings- transition.</li><li><b>TV Socket, Terminated</b></li><li>• Used in star-connected systems for Internet, cable TV or central satellite broadcasts. May also be used at the end of the shared antenna systems.</li><li><b>TV Socket, Lossless</b></li><li>• Used with independent Internet, cable TV or satellite broadcasting systems, and independent antennas.</li><li>• The sockets to be mounted after the amplifier must be 12 dB and 8 dB through-pass, terminated and lossless options to be compatible with 60-85 dBuV TV signal levels.</li></ul>																																											
		<table><caption>TV Socket (Through-pass)</caption><tr><th>Frequency range (f/MHz)</th><th>5 MHz</th><th>860 MHz</th><th>950 MHz</th><th>1000 MHz</th></tr><tr><td>IN-OUT (DB)</td><td>3,5</td><td>3,5</td><td>3,5</td><td>3,5</td></tr></table> <table><caption>TV Socket (Terminated)</caption><tr><th>Frequency range (f/MHz)</th><th>5 MHz</th><th>860 MHz</th><th>950 MHz</th><th>1000 MHz</th></tr><tr><td>IN-OUT (DB)</td><td>1,6</td><td>1,7</td><td>1,8</td><td>2,0</td></tr><tr><td>IN-TAP (DB)</td><td>15</td><td>15</td><td>15</td><td>15,5</td></tr></table> <table><caption>TV Socket (Lossless)</caption><tr><th>Frequency range (f/MHz)</th><th>5 MHz</th><th>860 MHz</th><th>950 MHz</th><th>1000 MHz</th></tr><tr><td>IN-TAP (DB)</td><td>3,5 dB</td><td>3,5 dB</td><td>3,5 dB</td><td>3,5 dB</td></tr><tr><td>IN-OUT (DB)</td><td>3,5 dB</td><td>5 dB</td><td>5 dB</td><td>5 dB</td></tr></table>		Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	IN-OUT (DB)	3,5	3,5	3,5	3,5	Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	IN-OUT (DB)	1,6	1,7	1,8	2,0	IN-TAP (DB)	15	15	15	15,5	Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	IN-TAP (DB)	3,5 dB	3,5 dB	3,5 dB	3,5 dB	IN-OUT (DB)	3,5 dB	5 dB	5 dB	5 dB
Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz																																							
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Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz																																							
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IN-TAP (DB)	15	15	15	15,5																																							
Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz																																							
IN-TAP (DB)	3,5 dB	3,5 dB	3,5 dB	3,5 dB																																							
IN-OUT (DB)	3,5 dB	5 dB	5 dB	5 dB																																							



Technical Drawings and Circuit Diagrams

	Technical Specifications	Satellite Socket with F Connector	Circuit Diagram
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- Used for receiving broadcast from the cable TV and UHF/VHF bands, and satellite.
- Satellite Socket with F Connector, Through-pass**
- Used for broadcast distribution to multiple TV receivers where broadcast is received from UHF/VHF bands to the center via an antenna system and then distributed via inter-socket or inter-floor -in multi-storey buildings- transition.
- Satellite Socket with F Connector, Terminated**
- Used in star-connected systems for Internet, cable TV or central satellite broadcasts. May also be used at the end of the shared antenna systems.
- The sockets to be mounted after the amplifier must be (10dB) transitive and terminated options to be compatible with 60-85 dBuV TV signal levels.

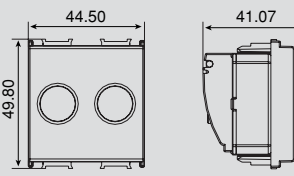


TV - SAT (Through-pass)									
Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	1.2 GHz	1.6 GHz	2.0 GHz	2.25 GHz	2.4 GHz
SAT IN-OUT (dB)	≤ 11.5	≤ 11.5	≤ 11.5	≤ 12	≤ 12.5	≤ 14	≤ 14	≤ 14	≤ 14.5
TV IN-OUT (dB)	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5					

SAT (Terminated)									
Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	1.2 GHz	1.6 GHz	2.0 GHz	2.25 GHz	2.4 GHz
SAT IN-OUT (dB)	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5


	Technical Specifications	TV-SAT Socket	Circuit Diagram
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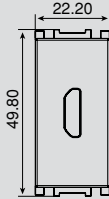
- Shielded. Shielded, does not get affected by airborne radio signals.
- Used for receiving broadcast from the Internet, interactive applications, cable TV, and UHF/VHF bands.
- TV-SAT Socket, Through-pass**
- Used for broadcast distribution to multiple TV receivers where broadcast is received from UHF/VHF bands to the center via an antenna system and then distributed via inter-socket or inter-floor -in multi-storey buildings- transition.
- TV-SAT Socket, Terminated**
- Used in star-connected systems for Internet, cable TV or central satellite broadcasts. May also be used at the end of the shared antenna systems.
- The sockets to be mounted after the amplifier must be (8dB and 11dB) transitive and terminated options to be compatible with 60-85 dBuV TV signal levels.




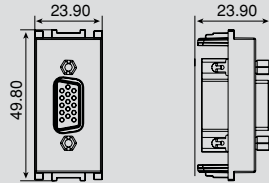
TV - SAT (Through-pass)									
Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	1.2 GHz	1.6 GHz	2.0 GHz	2.25 GHz	2.4 GHz
SAT IN-OUT (dB)	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5
TV IN-OUT (dB)	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5					


TV - SAT (Terminated)									
Frequency range (f/MHz)	5 MHz	860 MHz	950 MHz	1000 MHz	1.2 GHz	1.6 GHz	2.0 GHz	2.25 GHz	2.4 GHz
SAT IN-OUT (dB)	≤ 11.5	≤ 11.5	≤ 12	≤ 12.5	≤ 14	≤ 14	≤ 14	≤ 14	≤ 14.5
SAT IN-TAP (dB)	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 3	≤ 3.8	≤ 4.5	≤ 5	≤ 5.5
TV IN-OUT (dB)	≤ 1.6	≤ 1.7	≤ 1.8	≤ 2.0					
TV IN-TAP (dB)	≤ 15	≤ 15	≤ 15	≤ 15.5					

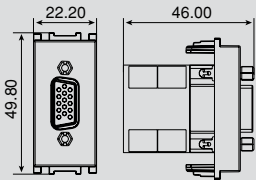
	Technical Specifications	Connector for HDMI Connection	Circuit Diagram
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	Technical Specifications	VGA Connector	Circuit Diagram
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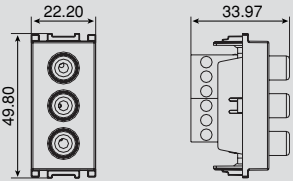


	Technical Specifications	VGA Connector (PCB)	Circuit Diagram
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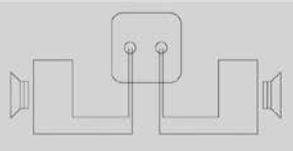
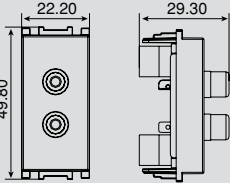


Technical Drawings and Circuit Diagrams

	Technical Specifications	RCA Connector	Circuit Diagram
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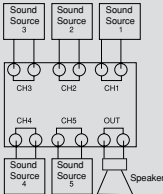
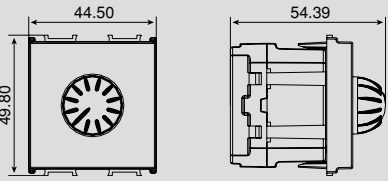


	Technical Specifications	Audio Socket	Circuit Diagram
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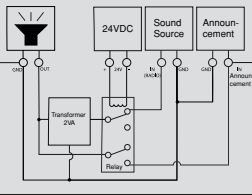
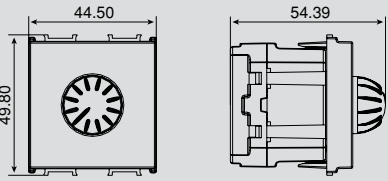
	Technical Specifications	Audio Channel Selection Switch	Circuit Diagram
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- 5 channel selection



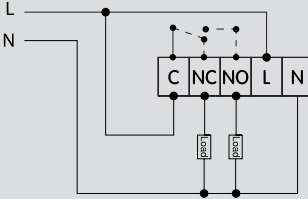
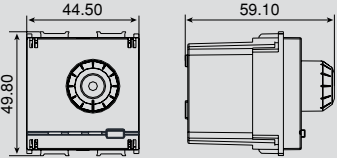
	Technical Specifications	Volume Control Switch with Transformer	Circuit Diagram
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- 11-grade sound adjustment
- 2VA transformer
- Suitable for systems with line transformer
- 4x100W speakers with line transformer
- Suitable for deep cases
- Built-in relay unit for 100V sound systems and emergency announcements.



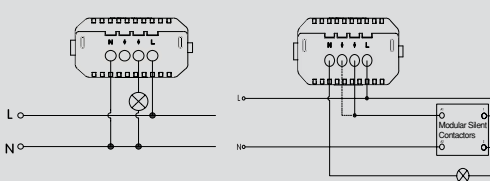
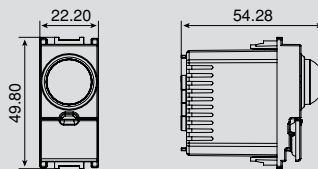
	Technical Specifications	Analog Thermostat	Circuit Diagram
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- 230V~, 50/60Hz
- Maximum output current:
- \* Changeover/normaly open contact NO: 6(2)A 230V AC
- \* Changeover/normaly closed contact NC: 4(1)A 230V AC
- Temperature control range of ±1°C between +10°C...+30°C
- Shortest switching time 1 minute
- Operating temperature -5°C...+40°C
- Complies with standards EN 60730-1 and EN 60730-2-9



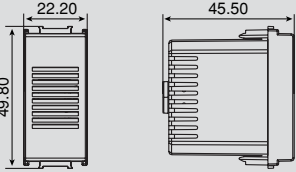
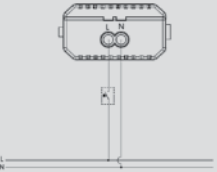
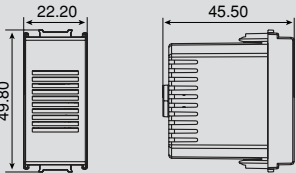
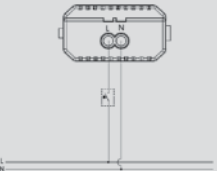
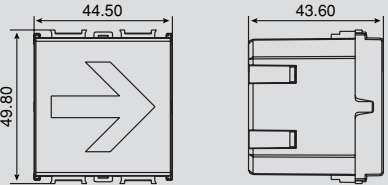
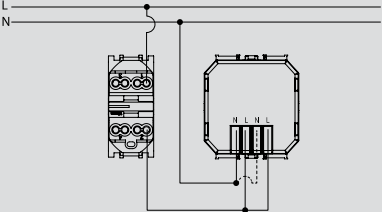
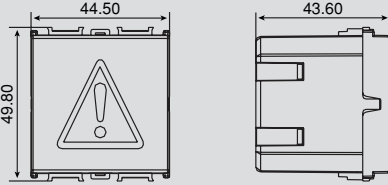
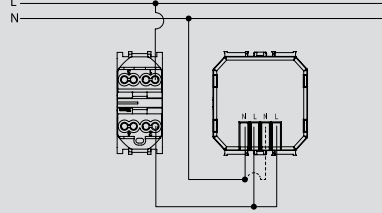
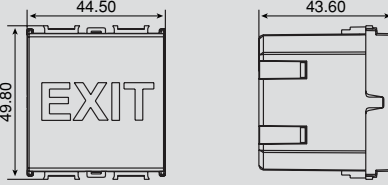
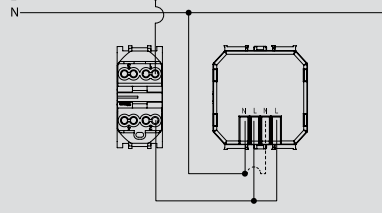
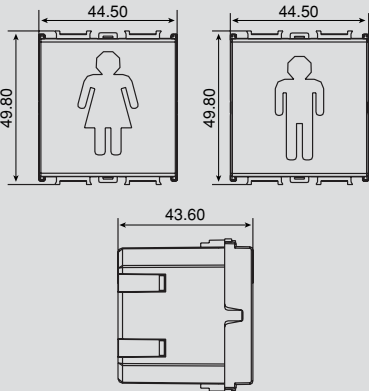
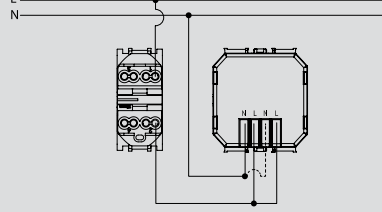
	Technical Specifications	Motion Detector	Circuit Diagram
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- 230V~, 50/60Hz
- 120° horizontal sensing angle
- Time setting from 10 seconds to 10 minutes
- Operating temperature 0°C...+38°C
- Assembly height between 1 m and 2 m
- Suitable for usage with the loads at the 1100W / 1100VA values.
- Daylight setting between 0 lux - 250 lux values
- Sensing Range: 10 m max.

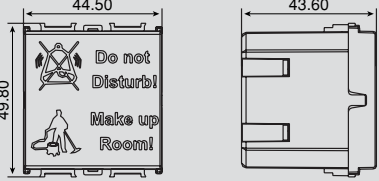
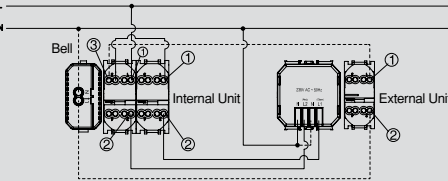
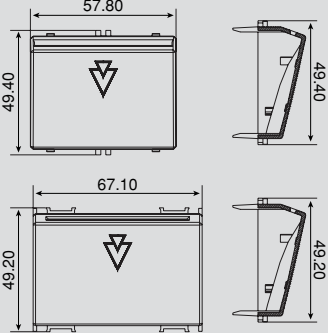
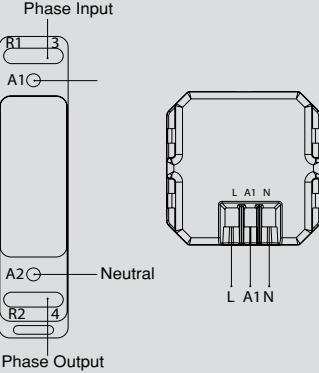
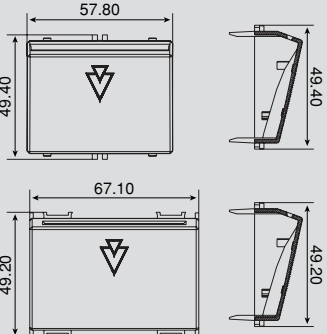
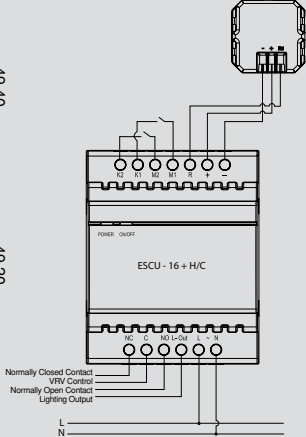
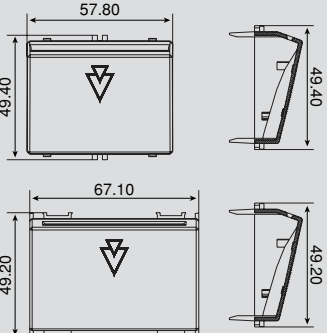
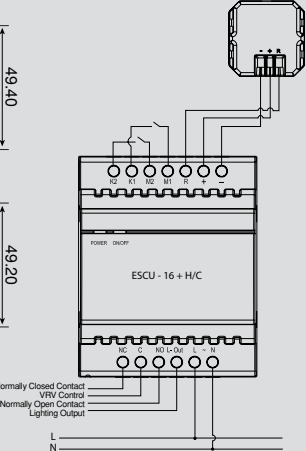




Technical Drawings and Circuit Diagrams

Technical Specifications	Buzzer (Ding-Dong)	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~, 50/60Hz</li> <li>85dB minimum sound volume</li> </ul>		
Technical Specifications	Buzzer	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~, 50/60Hz</li> <li>85dB minimum sound volume</li> </ul>		
Technical Specifications	Direction Indicator - Arrow	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~</li> <li>5W power consumption</li> </ul>		
Technical Specifications	Direction Indicator - Warning	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~</li> <li>5W power consumption</li> </ul>		
Technical Specifications	Direction Indicator - Exit	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~</li> <li>5W power consumption</li> </ul>		
Technical Specifications	Direction Indicator - Male/Female	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~</li> <li>5W power consumption</li> </ul>		

Technical Drawings and Circuit Diagrams

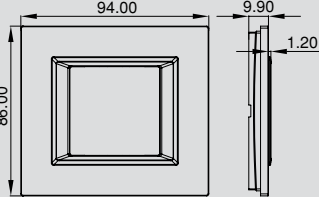
Technical Specifications	Do not Disturb/Make-up Room Indicator	Circuit Diagram
<ul style="list-style-type: none"> <li>230V~</li> <li>2.5W power consumption</li> </ul>		
Technical Specifications	Energy Saver with Mechanical Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>When a proper card is inserted into Energy Saver reader slot, it sends energy to relay coils to activate the electricity in the room.</li> <li>When the card is removed from the slot, room electricity is cut within 15±3 seconds. When the card is inserted into its slot, pilot lighting LED goes off.</li> <li>250V~ operating voltage</li> <li>0.5A maximum switching current</li> <li>Minimum diameter of connection cable is 0.50 mm<sup>2</sup>, maximum length is 25 m</li> <li>15±3 seconds shutting down delay</li> <li>Complies with standard EN60669-2-1</li> <li>Suitable for usage with all card types</li> <li>The product Energy Saver Mechanical Switch 220V~ can only be used with suitable contactors.</li> </ul>		
Technical Specifications	Energy Saver with Mechanical Switch	Circuit Diagram
<ul style="list-style-type: none"> <li>When a proper card is inserted into Energy Saver reader slot, it sends signal to relay unit to activate the electricity in the room.</li> <li>When the card is removed from the slot, room electricity is cut within 15±3 seconds. Delay is made by relay unit. When the card is inserted into its slot, pilot lighting LED goes off (if LED is still on, it means that the card isn't sensed).</li> <li>5V DC- operating voltage</li> <li>The maximum switching current is defined by ESCU: 25A or 16A (ESCU 25A + VRV or ESCU 16A + VRV or ESCU 16A + 2 VRV).</li> <li>Minimum diameter of connection cable is 0.50 mm<sup>2</sup>, maximum length is 25 m</li> <li>15±3 seconds shutting down delay</li> <li>Complies with EN60669-1, EN60669-2-1 and vEN55015 standards</li> <li>Suitable for usage with all card types</li> <li>The product Energy Saver Mechanical Switch 5V is suitable for usage with ESCU type relay.</li> <li>Connection cables between energy saver card reader and relay unit should be spanned within a different channel away from indoor 230V installation cables and cables with shielding feature should be used.</li> <li>Two magnetic contact inputs enable air conditioner control based on window status.</li> </ul>		
Technical Specifications	Energy Saver (13.56 MHz RF Single Protocol)	Circuit Diagram
<ul style="list-style-type: none"> <li>When a proper card is inserted into Energy Saver reader slot, it sends signal to relay unit to activate the electricity in the room.</li> <li>When the card is removed from the slot, room electricity is cut within 15 seconds. Delay is made by relay unit. When the card is inserted into its slot, pilot lighting LED goes off (if LED is still on, it means that the card isn't sensed).</li> <li>5V DC- operating voltage</li> <li>The maximum switching current is defined by ESCU: 25A or 16A (ESCU 25A + VRV or ESCU 16A + VRV or ESCU 16A + 2 VRV).</li> <li>Minimum diameter of connection cable is 0.50 mm<sup>2</sup>, maximum length is 25 m</li> <li>15±3 seconds shutting down delay</li> <li>Complies with EN60669-1, EN60669-2-1 and EN55015 standards</li> <li>Suitable for usage with cards complying with standard ISO/IEC 14443A</li> <li>The product Energy Saver 13.56 MHz RFID is suitable for usage with ESCU type relay.</li> <li>Connection cables between Energy Saver card reader and relay unit should be spanned within a different channel away from indoor 230V installation cables and cables with shielding feature should be used.</li> <li>Two magnetic contact inputs enable air conditioner control based on window status.</li> </ul>		



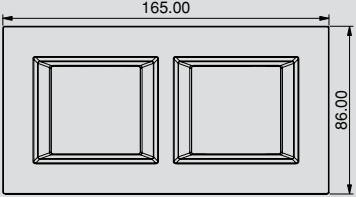
Frame Dimensions

Ultima

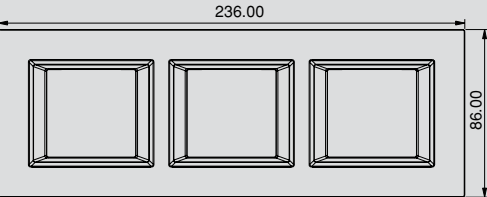
Ultima 2M Frame



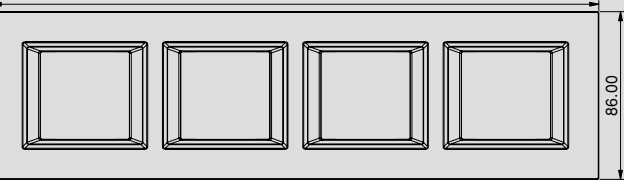
Ultima 2x2M Frame



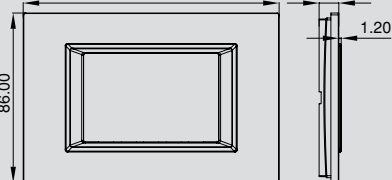
Ultima 3x2M Frame



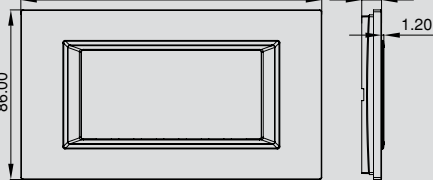
Ultima 4x2M Frame



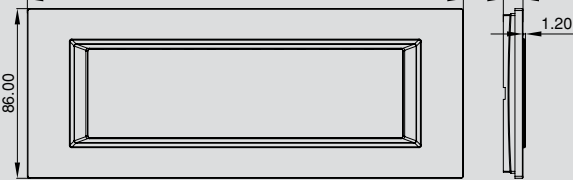
Ultima 3M Frame



Ultima 4M Frame



Ultima 7M Frame



Sistema

Sistema 2M Frame



Sistema 2x2M Frame



Sistema 3x2M Frame



Sistema 4x2M Frame



Sistema 3M Frame



Sistema 4M Frame



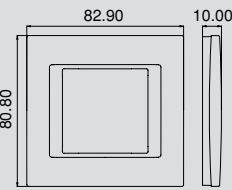
Sistema 7M Frame



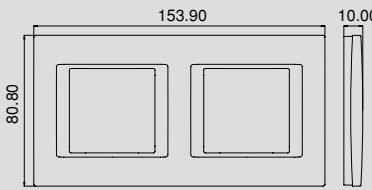
Frame Dimensions

Optima

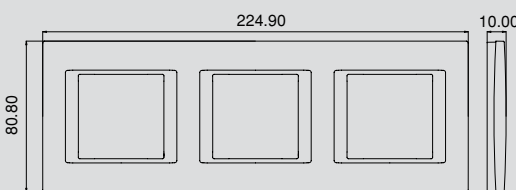
Optima 2M Frame



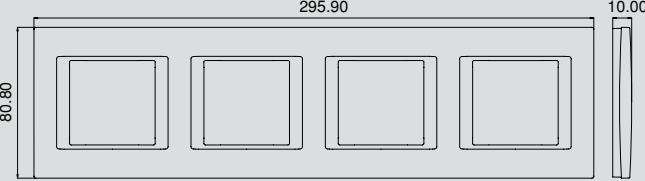
Optima 2x2M Frame



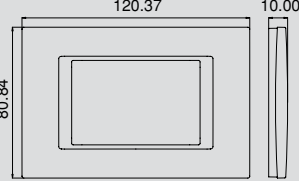
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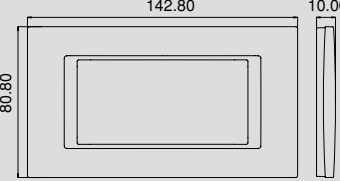
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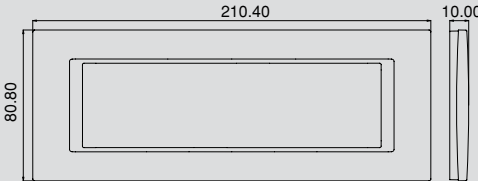
Optima 3M Frame



Optima 4M Frame



Optima 7M Frame



IP55 Frame 3M



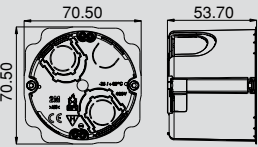
IP55 Frame 4M



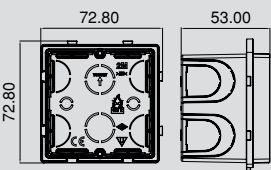


Wall Box Dimensions

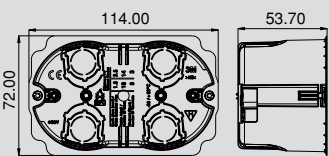
Hollow Wall Box 2M



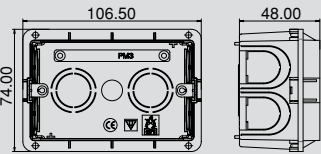
Wall Mount Box 2M



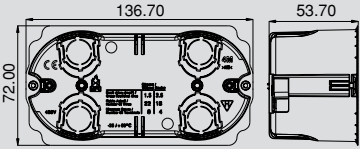
Hollow Wall Box 3M



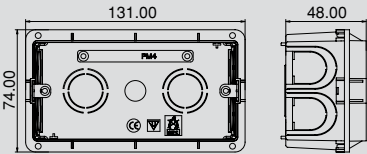
Wall Mount Box 3M



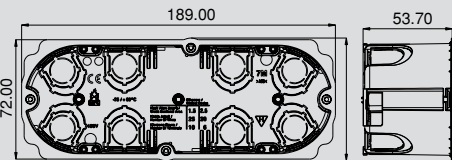
Hollow Wall Box 4M



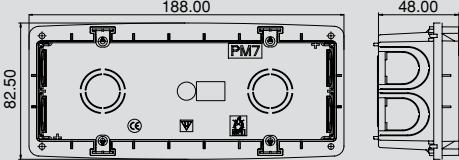
Wall Mount Box 4M



Hollow Wall Box 7M

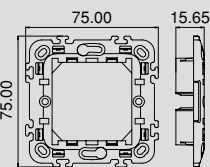


Wall Mount Box 7M

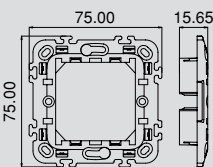


Mounting Frame Dimensions

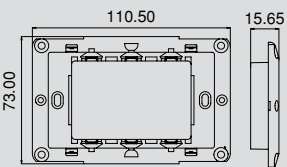
Mounting Frame 2M



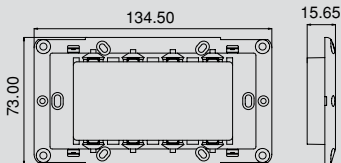
Metal Mounting Frame 2M



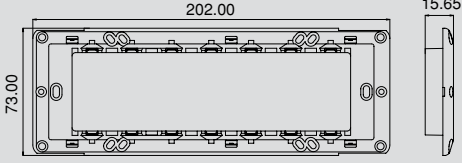
Mounting Frame 3M



Mounting Frame 4M



Mounting Frame 7M



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