

Al Manara Electric  المنارة الكهربائية

SINCE 1987

GENERAL CATALOGUE 2026

Panasonic

OPPLE



LUTEC

Himel

Midea

 **Al Manara**
APPLIANCES

ABB

 **Al Manara**
Panel Boards Factory Co.



الاختيار الامثل لحياة اسهل
Best Selection For Easy Life

MISSION

To provide high-quality, reliable, and innovative electrical products and solutions that meet the evolving needs of residential, commercial, and industrial projects. We are committed to excellence through superior products, timely delivery, dependable customer service, and long-term partnerships with world-class brands—ensuring value, safety, and satisfaction for our customers.

VISION

To be the leading provider and manufacturer of advanced electrical solutions in Saudi Arabia and the Middle East, recognized for innovation, quality, and sustainability—empowering communities, businesses, and industries with safe and efficient energy solutions for a brighter future.

VALUES

- **Quality Excellence** – We uphold the highest standards in every product and service, ensuring safety, durability, and reliability.
- **Customer Commitment** – We prioritize customer satisfaction by delivering trusted solutions, timely services, and dependable support.
- **Innovation** – We embrace modern technologies and advanced solutions to meet the evolving needs of the market.
- **Integrity** – We conduct our business with honesty, transparency, and professionalism, building trust with partners and clients.
- **Sustainability** – We are dedicated to offering energy-efficient and eco-friendly solutions that contribute to a better future.
- **Teamwork & Expertise** – We value the experience, skills, and dedication of our people, working together to achieve excellence.

Al Manara Company Profile

Established in Saudi Arabia in 1987, Al Manara Electric has earned a strong reputation for delivering quality products, timely delivery, and dependable service. Supported by a highly skilled and experienced team, we specialize in electrical switches & sockets, residential and commercial panel boards, indoor and outdoor lighting, chandeliers, and garden illumination.

We represent a portfolio of leading international brands:

- **Panasonic** – Offering electrical switches and sockets that combine convenience, safety, and Japanese technology. Available in a variety of colors and styles, Panasonic products are designed to meet the needs of modern residential and commercial environments. (Video intercoms, Telephones, Electrical Wiring, Exhaust fans, and other related equipment.)
- **Oppl** – A globally recognized Chinese brand providing energy-saving lamps, LED lighting, and fixtures suitable for residential, commercial, hotel, and airport environments. Opel products are characterized by high quality, guaranteed performance, and excellent value. They also offer sockets, switches, and exhaust fans.
- **Fumagalli (Italy)** – offers premium Italian-made outdoor lighting for villas, palaces, sports grounds, and public areas. Built from resin-covered galvanized steel with a 25-year material guarantee, its range includes poles, bulkheads, step lights, buried and spike lights—all available in classic, modern, and LED options.
- **Midea** – Specializing in lighting products, switches, and sockets, Midea is known for its modern design, reliable quality, and energy-efficient performance, offering safe and stylish solutions for homes and businesses.
- **Lutec** – A French brand specializes in durable and stylish outdoor die-cast aluminum lighting for gardens, parks, streets, and indoor spaces. Offering classic and modern designs with LED options, LUTEC products include floodlights, recessed ground and wall lights, and other innovative lighting solutions that combine aesthetics and long-lasting performance.
- **Himel** – provides robust, reliable, and safe electrical products for residential, commercial, and industrial applications. Known for quality and durability, their range includes circuit breakers, switchgears, control panels, and other essential electrical solutions, ensuring safety and performance for every project.
- **ABB** – a global technology leader in electrification and automation, helping industries become more efficient, productive, and sustainable. Their solutions empower businesses to achieve high performance while reducing environmental impact. With over 140 years of expertise, ABB delivers innovative electrical products and systems designed for reliability, safety, and energy efficiency.

Al Manara Panel Board Factory

Since 2010, we have expanded from trading to manufacturing our own “Al Manara” brand panel boards, leveraging over 36 years of industry experience and the latest technological advancements. Our factory produces a wide range of residential and commercial panels, including: Package Substations, Unit Substations, Street Lighting Panels, ATS Panels, Low Voltage Switchgears, Motor Control Centers, KWH Panels, Load Centers, Circuit Breaker Enclosures, Bus Bar Chambers, and custom panels tailored to project requirements. Al Manara Panel Board is also an official panel builder for Schneider Electric.

We take pride in executing our work to the highest standards, consistently satisfying our customers with superior quality products, timely delivery, and reliable customer service—all at fair and competitive prices.

Al Manara Branches: Riyadh, Jeddah, Dammam, Al Hassa, Qaseem, Hail, Tabouk, Madina, Yanbu, Makkah, Taif, Najran, Jizan, Khamis Mushayt, Sakakah.

نبذة عن شركة المنارة الكهربائية للتجارة

تأسست شركة المنارة الكهربائية في المملكة العربية السعودية عام ١٩٨٧، واكتسبت سمعة قوية في تقديم منتجات عالية الجودة، والتسليم في الوقت المحدد، وخدمات موثوقة، مدعومة بفريق ماهر وذو خبرة طويلة، نحن متخصصون في مفاتيح ومقابس الكهرباء، ولوحات التوزيع (الطبايين) والتجارية، والإضاءة الداخلية والخارجية، والثريات، وإضاءة الحدائق.

نحن نمثل مجموعة من العلامات التجارية الدولية الرائدة:

- **باناسونيك** – تقدم مفاتيح ومقابس كهربائية تجمع بين الراحة والأمان والتكنولوجيا اليابانية. متوفرة بمجموعة متنوعة من الألوان والتصاميم، صممت منتجات باناسونيك لتلبية احتياجات البيئات السكنية والتجارية الحديثة، فيديو انتركم، تليفونات، توصيلات كهربائية، شفاطات ومراوح.
- **أوبل** – براند صيني معروف عالمياً توفر مصابيح موفرة للطاقة، وإضاءة LED وتركيبات مناسبة للمنازل، والمكاتب، والفنادق، والمطارات، تتميز منتجات أوبل بالجودة العالية، الأداء المضمون، والقيمة الممتازة والافياش والمفاتيح والشفاطات.
- **فوماجالي (الإيطالية)** – تقدم فوماجالي حلول إنارة خارجية فاخرة مصنوعة في إيطاليا، مناسبة للفلل والقصور والملاعب والمناطق العامة. ومصنوعة من فولاذ مجلفن مغطى بالراتنج مع ضمان لمدة ٢٥ عاماً على المواد، وتشمل مجموعة منتجاتها الأعمدة، والأضواء الجانبية، وأضواء الدرج، وأضواء الدفن والسبايك، بجانب التصميم الكلاسيكية والعصرية وخيارات الإضاءة بتقنية LED.
- **ميديا** – متخصصة في منتجات الإضاءة والمفاتيح والمقابس، معروفة بتصميمها العصري، وجودتها الموثوقة، وكفاءتها العالية. في استهلاك الطاقة، لتقديم حلول آمنة وأنيقة للمنازل والأعمال التجارية.
- **لوتك** – منتج بتصميم فرنسي متخصص في تصنيع إنارة خارجية متينة وأنيقة من الألمنيوم المصبوب، مناسبة للحدائق والمنزهات والشوارع، وتشمل منتجاتها كشافات الإنارة LED والمساحات الداخلية. تقدم تصاميم كلاسيكية وعصرية مع خيارات إضاءة بتقنية وأضواء الأرضيات والجدران المدمجة، وغيرها من حلول الإضاءة المبتكرة التي تجمع بين الجمال والأداء طويل الأمد.
- **هيميل** – تُقدّم منتجات الافياش والمفاتيح الكهربائية قوية وموثوقة وآمنة للتطبيقات السكنية والتجارية والصناعية. معروفة بجودتها ومتانتها، وتشمل مجموعتها قواطع الدوائر الكهربائية، ومفاتيح التبديل، ولوحات التحكم، وغيرها من الحلول الكهربائية الأساسية، مما يضمن السلامة والأداء العالي في كل مشروع.
- **شركة ABB** – رائدة عالمياً في مجال التكنولوجيا الكهربائية والأتمتة، تساعد الصناعات على أن تصبح أكثر كفاءة وإنتاجية، واستدامة. تُمكن حلولها الشركات من تحقيق أداء عالٍ مع تقليل التأثير البيئي. وبفضل خبرتها التي تمتد لأكثر من ١٤٠ عاماً تقدم منتجات وأنظمة كهربائية مبتكرة مصممة لضمان الاعتمادية والسلامة وكفاءة الطاقة.

مصنع لوحات المنارة

منذ عام ٢٠١٠، توسعنا من مجال التجارة إلى تصنيع لوحاتنا الخاصة بعلامة "المنارة"، مستفيدين من أكثر من ٣٦ عاماً من الخبرة الصناعية وآخر التطورات التكنولوجية. ينتج مصنعنا مجموعة واسعة من اللوحات السكنية والتجارية، بما في ذلك: مفاتيح كهربائية منخفضة الجهد، مراكز، ATS محطات فرعية جاهزة، وحدات محطات فرعية، لوحات إنارة الشوارع، لوحات مأخذ القواطع الكهربائية، غرف قضبان التوصيل، ولوحات مخصصة حسب متطلبات، التحكم بالمحركات، لوحات المشروع. كما أن لوحات المنارة هي صانع رسمي للوحات لشركة شneider Electric (Schneider Electric).

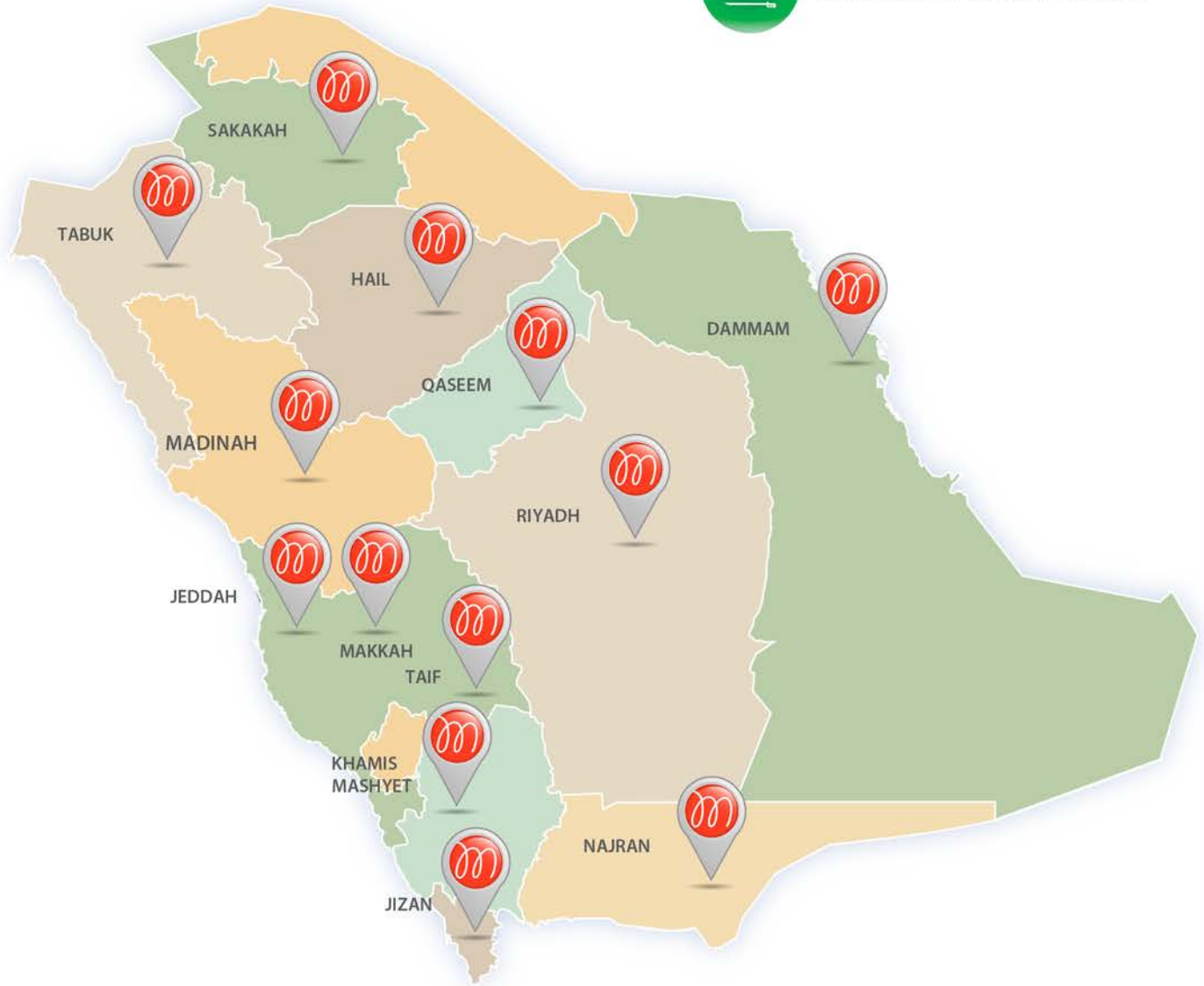
نفخر بتنفيذ أعمالنا وفق أعلى المعايير، مع الحرص على رضا عملائنا من خلال منتجات عالية الجودة، وتسليم في الوقت المحدد، وخدمة عملاء موثوقة، بأسعار عادلة وتنافسية.

فروع المنارة: الرياض، جدة، الدمام، الأحساء، القصيم، حائل، تبوك، المدينة المنورة، ينبع، مكة المكرمة، الطائف، نجران، جيزان، خميس مشيط، سكاكا.

OUR BRANCHES



SAUDI ARABIA



SHOWROOM QR CODES

MALAZ SHOWROOM

Al Amir Abd Elmohsen St., Al Malaz
Riyadh



TAKHASSUSSI SHOWROOM

Takasusi St., Crossing Tahliyas St.
Riyadh



QASEEM SHOWROOM

Buraidah - Alsafraa Area,
King Abdulaziz St. - front of Altawan Club



HAIL SHOWROOM

Prince Faysal St., Al Zeraya Area



EMARA SHOWROOM

Emara St., Dammam



FAISAL SHOWROOM

King Faisal Street - opposite Alemara Station
Dammam



NEW BALADEAH SHOWROOM

Al Baladeah St., Jeddah



BALADEAH SHOWROOM

Al Baladeah St., Alkhair Mall Center
Jeddah



PANASONIC SHOWROOM

Al Baladeah St., Saheli Center 1
Jeddah



MAKKAH SHOWROOM

Muzdalifah Branch Road
front of Alnoor Hospital



TAIF SHOWROOM

Khalid Bin Waleed Street



MADINAH SHOWROOM

King Abdullah St. (2nd Ring Road)



TABUK SHOWROOM

Al Khamssen St., front of Al Sehab Hotel



KHAMIS MASHYET SHOWROOM

King Fahad Road
front of Al Ghrawi Market Business Complex



JIZAN SHOWROOM

Airport District, Prince Faisal Bin Fahd St.



NAJRAN SHOWROOM

King Abdulaziz Road
(Next to King Khalid Hospital)



OUR DEALERS



REGION	PROVINCE/AREA	DEALERS
CENTRAL	RIYADH	103
	NORTH RIYADH	18
	SOUTH RIYADH	23
	AL QASSIM	80
NORTHERN	HAIL	16
	TABUK	30
	SAKAKAH	34
EASTERN	DAMMAM	30
	QATIF	19
	AL AHSА	35

REGION	PROVINCE/AREA	DEALERS
SOUTHERN	JIZAN	50
	NAJRAN	19
	KHAMIS MASHYET	20
SOUTHERN	MADINA	45
	JEDDAH	39
	YANBU	27
	MAKKAH	13
	TAIF	10



SOCIAL MEDIA ACCOUNTS
MULTI LINK

Seamless Curve

Simple shape, elegance curve line,
gentle image by oval design

Calm Touch

Fit comfortably with hands

Matte Finish

Blend into interior



○ White **W** ● Gray **H** ● Black **B**



WYLG510017W
1G 1D 1Way SP
Switch 16AX



WYLG520017W
1G 2D 1Way SP
Switch 16AX



WYLG530017W
1G 3D 1Way SP
Switch 16AX



WYLG540017W
1G 4D 1Way SP
Switch 16AX



WYLG518027W
1G 1D Curtain Switch 10A



WYLG510027W
1G 1D 2Way SP
Switch 16AX



WYLG520027W
1G 2D 2Way SP
Switch 16AX



WYLG530027W
1G 3D 2Way SP
Switch 16AX



WYLG540027W
1G 4D 2Way SP
Switch 16AX



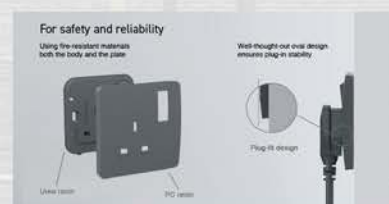
WYLG5140117W
1G 1D Push Switch
10A with Bell Mark



WYLG510047W
1G 1D Intermediate
Switch 16AX



WYLG520047W
1G 2D Intermediate
Switch 16AX



○ White [W] ● Gray [H] ● Black [B]



WYLG511037W
1G 1D DP Switch 20A



WYLG512437W
1G 1D DP Switch 45A



WYLG552437W
2G 1D DP Switch 45A



WYLG5178157W
1G 1D Dimmer
Switch 500W



WYLG5179137W
1G 1D 1way SP Push On/Off
Dimmer Switch [LED 50W]



WYLG5179157W
1G 1D LED Dimmer
Switch 240W [LED 200W]



WYLG1111W
1G 1D 13A DP
Switched Socket



WYLG1112W
2G 2D 13A DP Switched
Socket



WYLG1001W
1G 1D 13A DP Unswitched
Socket



WYLG1114W
1G 1D 13A DP Switched
Socket with USB-A
(MAX 10.5W)



WYLG1113W
1G 1D 13A DP Switched
Socket with USB-A+C
(MAX 20W)



WYLG11123W
2G 2D 13A DP Switched
Socket with USB-A+C
(MAX 20W)



WYLG2110W
1G Telephone Socket
RJ11/12 6P4C



WYLG2120W
1G TV Socket (SAT) F Type



WYLG2170W
1G CAT6 Socket



WYLG2177W
1G 2D CAT6 Socket



WYLG2127W
1G TV Socket (SAT) F Type +
CAT6 Socket



WYLG2121W
1G TV Socket (SAT) F Type +
Telephone Socket RJ11/12



WYLG2171W
1G CAT6 Socket + Telephone
Socket RJ11/12 6P4C



WYLG7811W
1G Key Stone Adapter



WYLG7010W
1G 20A Cable Outlet



WYLG7020W
1G 45A Cable Outlet



WYLG7891W
1G Blank Plate



WYLG7892W
2G Blank Plate



WTFBP51512S-1
1-Gang 2Way Switch
16AX SP
Quick Connect Terminal



WTFBP52522S-1
1-Gang 2-Devices 2Way Switch
16AX SP
Quick Connect Terminal



WTFBP53532S-1
1-Gang 3-Devices 2Way Switch
16AX SP
Quick Connect Terminal



WTFBP5004S-1
1-Gang Intermediate Switch
10AX
Quick Connect Terminal



WTFBP55137S-1
1-Gang 1Way Switch
20A DP
with Indicator



WTFBP5408699S1K
1-Gang 1Way Switch
45A DP
with Indicator



WTFBP5411S-1
1-Gang Push Button, 10A
Quick Connect Terminal



WTFBP5781103S-1
1-Gang Dimmer Switch
1000W, 250V
(Low Voltage Halogen Lump 800VA)



WTFBP2731S-1
TV Socket F Type



WTFBP2164S-1
Telephone Socket 6P4C



WTFBP24886S-1
LAN Socket Cat 6



WTFBP579120S-1
LED Dimmer Switch
50W 220V



WTFBP1072S-1
2 Port USB Charger
Output Total 2A 5V DC



WTFBP11119S-1
1-Gang 13A, 250V
Switched Socket



WTFBP11129S-1
2-Gang 13A, 250 V
Switched Socket



WTFBP579150S-1
LED Dimmer Switch
200W 220V



WTFBP5781S-1
HOTEL KEY CARD SW.



WTFBP53576S-1
DON'T DISTURB SW.
(CLEAN UP & PUSH SW.)

Advanced switching technology



The highly advanced "Slide Cam Mechanism" designed by Panasonic will allow smoother and ON & OFF switching operations. Flatima series has been designed to avoid stagnation of unnecessary particles such as dust.

Firm and appealing Aluminum plate

Panasonic top level series with super panel and vigorous outlines bringing elegance to your everyday life.

Variety of Colors



Silver
[S]



Gold
[Y]



Bronze
[Q]

Elegant mixture of modern design based on a unique collaboration with Japanese designed aluminum plate and stylish dark button to fit with the latest residential trends.



WEBP515117-SS
1G One-Way SP
16AX 250V AC



WEBP525217-SS
2G One-Way SP
16AX 250V AC



WEBP535317K-SS
3G One-Way SP
16AX 250V AC



WEBP545227-SS
4G 2Way SP Switch
10AX 250V



WEBP5414600F-SS
1G 20A DP
20A 250V AC



WNP5428690FK-SS
45A DP (7x7)
Glow Switch DP
45A, 250V AC



WEBP515127-SS
1G Two-Way SP
16AX 250V AC



WEBP525227-SS
2G Two-Way SP
16AX 250V AC



WEBP535327K-SS
3G Two-Way SP
16AX 250V AC



WEBP5513630F-SS
1G Intermediate
4-Way
16A 250V AC



WEBP5113650F-SS
1G Push Button
Push Button "B", SP
10A 300V AC



WEBP579120F-SS
Dimmer 50W 220V
LED



WEBP4519940F-SS
1G Tel Modular Jack
6P 4C, 0.5A 60V AC



WEBP4529682F-SS
Tel Modular + Data Outlet
6P 4C, 0.50A 60V AC (Tel Modular)
CAT6 (RJ 45) Data Outlet



WEBP4519680F-SS
1G Computer Data Outlet
CAT6 (RJ45)



WEBP47164501F-SS
1G F-Type Dish Outlet
7*7



WEBP4726442F-SS
Tel + F Type Dish Outlet
7*7



WEBP579150F-SS
1G 200W 220V
LED DIMMER



WEB11119W-SS
1G Receptacle with Switch, DP
13A 250V AC



WEB11114-SS
1G 13A Socket 250A
with USB Charger (7x7)



WEB11129W-SS
2G Receptacle with Switch, DP
13A 250V AC



WEBP52832-SS
For Window Shutter
2 Way SP 15AX 250C AC
Push Button 10A 250V AC



WEBP47266871F-SS
Data RJ45 + F Type Dish Outlet
7*7



WEBP5781530F-SS
Dimmer Switch
(500W Incandescent)
(500VA LV Halogen)
220-240V 50/60HZ



WEBP515117-BB
1G One-Way SP
16AX 250V AC



WEBP525217-BB
2G One-Way SP
16AX 250V AC



WEBP535327K-BB
3G One-Way SP
16AX 250V AC



WEBP515117-YY
1G One-Way SP
16AX 250V AC



WEBP525217-YY
2G One-Way SP
16AX 250V AC



WEBP535327K-YY
3G One-Way SP
16AX 250V AC



WEBP515117MB-BB
1G One-Way SP
16AX 250V AC



WEBP525217MB-BB
2G One-Way SP
16AX 250V AC



WEBP535317MBK-BB
3G One-Way SP
16AX 250V AC



WEBP515117MB-YY
1G One-Way SP
16AX 250V AC



WEBP525217MB-YY
2G One-Way SP
16AX 250V AC



WEBP535317MBK-YY
3G One-Way SP
16AX 250V AC



WEBP515117MB-SS
1G One-Way SP
16AX 250V AC



WEBP525217MB-SS
2G One-Way SP
16AX 250V AC



WEBP535317MBK-SS
3G One-Way SP
16AX 250V AC



WEBP515117MF
1G One-Way SP
16AX 250V AC



WEBP525217MF
2G One-Way SP
16AX 250V AC



WEBP535317MFK
3G One-Way SP
16AX 250V AC



WEBP5414600MF
1-Gang 1-Device
20A DP Switch with Indicator



WNB5428690MFK
45A DP (7x7)
Glow Switch DP with Indicator
45A, 250V AC



WEBP515127MF
1G Two-Way SP
16AX 250V AC



WEBP525227MF
2G Two-Way SP
16AX 250V AC



WEBP535327MFK
3G Two-Way SP
16AX 250V AC



WEBP545227MF
4G 2Way SP Switch
10AX 250V



WEB7020MF
Cable Outlet
45A with Terminal Block



WNB5448690MFK
45A DP (7x14)
Glow Switch DP with Indicator
45A, 250V AC



WNPB5110630MFK
1G One-Way Switch
16AX 250V



WNPB5120630MFK
2G One-Way Switch
16AX 250V



WNPB5130630MFK
3G One-Way Switch
16AX 250V



WNPB5140630MFK
4G One-Way SP
16AX 250V AC



WNPB5141613MF
2G Twin Switch SP
10A 250V AC



WEBP5113650MF
1G Push Button
10AX 250V



WEBP579120MF
1G 50W 220V
LED Dimmer



WEBP579150MF
1G 200W 220V
LED Dimmer



WEBP5781530MF
Dimmer Switch
(500W Incandescent)
(500VA LV Halogen)
220V-240V 50/60HZ



WNPB5181610MF
4G One-WayTwin Switch
10A 250V



WEBP52832MF
Window Sutter Switch
2-Way SP 15AX 250V AC
Push Button 10A 250V AC



WEBP5513630MF
1G Intermediate
4-Way
16A 250V



WEBP4519940MF
1G Tel Modular Jack
6P 4C, 0.5A 60V AC



WEBP4529940MF
2G Tel Modular Jack
6P 4C, 0.5A 60V AC



WEBP4529649MF
Tel Modular + Data Outlet
6P 4C, 0.50A 60V AC (Tel Modular)
CAT6 (RJ 45) Data Outlet



WEBP4519680MF
1G Computer Data
CAT6 (RJ45)



WEBP4529680MF
2G Computer Data
CAT6 (RJ45)



WEBP47164501MF
1G F Type Dish Outlet
7*7



WEBP13117MF
1G DP Un-Switched Socket
13A 250V



WEB11113MF
13A with A+C USB
PD Outlet (Max 20W)



WEB11123MF
2G DP Switch Socket 13A
250V with USB Type A+C



WNB1072MF-1
2 Port USB Charger
Output 2A 5V DC



WEBP4726442MF
Tel + F Type Dish Outlet
7*7



WEBP47266871MF
Data RJ45 + F Type Dish Outlet
7*7



WEB11119MF
1-Gang DP Switched
Socket Outlet with Plate
13A 250V



WEB11129MF
2-Gang DP Switched
Socket Outlet with Plate
13A 250V



WEB11114MF
1G 13A Socket 250A
with USB Charger (7x7)



WZB7891MF
1G Blanck Plate
7*7



WZB7892MF
2G Blanck Plate
7*14



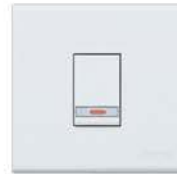
WEBP515117
1G One-Way SP
16AX 250V AC



WEBP525217
2G One-Way SP
16AX 250V AC



WEBP535317K
3G One-Way SP
16AX 250V AC



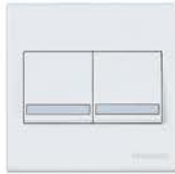
WEBP5414600F
1G 20A DP
20A 250V AC



WNPB5428690FK
45A DP (7x7)
Glow Switch DP
45A, 250V AC



WEBP515127
1G Two-Way SP
16AX 250V AC



WEBP525227
2G Two-Way SP
16AX 250V AC



WEBP535327K
3G Two-Way SP
16AX 250V AC



WEBP545227
4G 2Way SP Switch
10AX 250V



WEB7020W
Cable Outlet
45A with Terminal Block



WNPB5448690FK
45A DP (7x14)
Glow Switch DP
45A, 250V AC



WNPB5110630FK
1G One-Way Switch
16AX 250V



WNPB5120630FK
2G One-Way Switch
16AX 250V



WNPB5130630FK
3G One-Way Switch
16AX 250V



WNPB5140630FK
4G One-Way SP
16AX 250V AC



WNPB5141610DF
2G Twin Switch SP
10A 250V AC



WEBP5113650F
1G Push Button
Push Button "B", SP
10A 300V AC



WEBP579120F
Dimmer 50W 220V
LED



WEBP579150F
1G 200W 220V
LED DIMMER



WEBP5781530F
Dimmer Switch
(500W Incandescent)
(500VA LV Halogen)
220-240V 50/60HZ



WNPB5181610F
4G 1-WayTwin Switch
10A 250V



WEBP52832-SP
For Window Shutter
2 Way SP 15AX 250C AC
Push Button 10A 250V AC



WEBP5513630F
1G Intermediate
4-Way
16A 250V AC



WEBP4519940F
1G Tel Modular Jack
6P 4C, 0.5A 60V AC



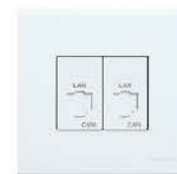
WEBP4529940F
2G Tel Modular Jack
6P 4C, 0.5A 60V AC



WEBP4529682F
Tel Modular + Data Outlet
6P 4C, 0.50A 60V AC (Tel Modular)
CAT6 (RJ 45) Data Outlet



WEBP4519680F
1G Computer Data Outlet
CAT6 (RJ45)



WEBP4529680F
2G Computer Data Outlet
CAT6 (RJ45)



WEBP47164501F
1G F-Type Dish Outlet
7*7



WEBP13117W
1G DP Un-Switched Socket
13A 250V



WEB11113
13A with A+C USB
PD Outlet (Max 20W)



WEB11123
2G DP Switch Socket 13A
250V with USB Type A+C



WNPB1072W-1
2 Port USB Charger
Output 2A 5V DC



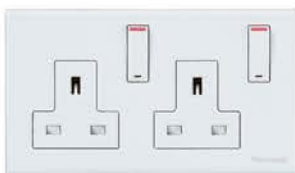
WEBP4726442F
Tel + F Type Dish Outlet
7*7



WEBP47266871F
Data RJ45 + F Type Dish Outlet
7*7



WEB11119W
1G Receptacle with Switch, DP
13A 250V AC



WEB11129W
2G Receptacle with Switch, DP
13A 250V AC



WEB11114
1G 13A Socket 250A
with USB Charger (7x7)



WZB7891W
1G Blanck Plate
7*7



WZB7892W
2G Blanck Plate
7*14



WNB515117
1G One-Way SP
16AX 250V AC



WNB525217
2G One-Way SP
16AX 250V AC



WNB535317K
3G One-Way SP
16AX 250V AC



WNB5414630-SP
1G 20A DP with NEON
Mark "Water Heater"
20A 250V AC



WNB5428690K
45A DP (7x7)
Glow Switch, DP
45A, 250V AC



WNB515127
1G Two-Way SP
16AX 250V AC



WNB525227
2G Two-Way SP
16AX 250V AC



WNB535327K
3G Two-Way SP
16AX 250V AC



WNB545227
4G 2Way SP Switch
10AX 250V



WEB7020
Cable Outlet
45A with Terminal Block



WNB5448690K
45A DP (7x14)
Glow Switch, DP
45A, 250V AC



WNB579120FC
Dimmer 50W 220V
LED



WNB579150FC
1G 200W 220V
LED DIMMER



WNB5781530
Dimmer Switch (500W Incandescent)
(500VA LV Halogen)
220-240V 50/60HZ



LW5229694
For Window Shutter
2 Way SP 15AX 250C AC
Push Button 10A 250V AC



WNB5513630-SP
1G Intermediate SW
(4-Way)
16AX 250V AC



WNB5113650-SP
1G Push Button
Push Button 1-Way, SP
10A 250V AC



WNB5110630K
1G One-Way SP
16AX 250V AC



WNB5120630K
2G One-Way SP
16AX 250V AC



WNB5130630K
3G One-Way SP
16AX 250V AC



WNB5140630K
4G One-Way SP
16AX 250V AC



WNB5513630
Intermediate
1G, 4-Way
10A 300V AC



WNB5113650
1G Push Button
Push Button "B", SP
10A 300V AC



WNB5210630K
1G Two-Way SP
16AX 250V AC



WNB5220630K
2G Two-Way SP
16AX 250V AC



WNB5230630K
3G Two-Way SP
16AX 250V AC



WNB5181610D
4G Twin Switch SP
10A 250V AC



WNB5141610D
2G Twin Switch SP
10A 250V AC



WNB4519940
1G Tel. Modular Jack
6P 4C, 0.5A 60V AC



WNB13117
1G DP Un-Switched Socket
13A 250V



WNB111159
13A DP Sw. Socket +
2 Port USB Charger 2A 5V DC



WNB1072-1
2 Port USB Charger
Output 2A 5V DC



WNB4519680
1G Computer Data Outlet
CAT6 (RJ45)



WNB4529649
Tel + Computer Data Outlet
6P 4C 0.5A 60V AC (Tel Modular)
CAT6 (RJ45) Data Outlet



WNB4716450
1G F-Type
TV Outlet



WNB11119
1G Receptacle with Switch, DP
13A 250V AC



WNB11129
2G Receptacle with Switch, DP
13A 250V AC



WNB11114
1G 13A Socket 250A
with USB Charger (7x7)



WNB1741
1G RCD Receptacle
with Switch, DP
13A 250V AC



WNB4726442
Tel + F Type Dish Outlet
7*7



WEJ9111W
13A Plug BS 1363



WSFBC5011W
1-Gang 1-Device
1Way SP Switch
10AX 250V



WSFBC5021W
1-Gang 2-Devices
1Way SP Switch
10AX 250V



WSFBC5031W
1-Gang 3-Devices
1Way SP Switch,
10AX 250V



WSFBC5091W
1-Gang 4-Devices
1Way SP Switch,(7x7)
10AX 250V



WSFBC5014W
1-Gang Intermediate Switch
10AX 250V



WSFBC5511W
1-Gang 1Way SP Push Switch
with "Bell Symbol"
10A 250V



WSFBC5012W
1-Gang 1-Device
2Way SP Switch
10AX 250V



WSFBC5022W
1-Gang 2-Devices
2Way SP Switch
10AX 250V



WSFBC5032W
1-Gang 3-Devices
2Way SP Switch,
10AX 250V



WSFBC5092W
1-Gang 4-Devices
2Way SP Switch,(7x7)
10AX 250V



WSFBC4814W
Curtain Switch

Color Options



White

W□□



Black

B□□



Metallic
Pearl Gray

M Y H



Metallic
Pearl Gold

M Y Z

SIMPLUS

SERIES BS-TYPE



WSBC5011W/F
1-Gang 1-Device
1Way SP Switch
10AX 250V



WSBC5021W/F
1-Gang 2-Devices
1Way SP Switch
10AX 250V



WSBC5031W/F
1-Gang 3-Devices
1Way SP Switch,
10AX 250V



WSBC5091W/F
1-Gang 4-Devices
1Way SP Switch,(7x7)
10AX 250V



WSBC5041W/F
2-Gang 4-Devices
1Way SP Switch, (7x14)
10A 250V



WSBC5014W/F
1-Gang Intermediate Switch
10AX 250V



WSBC5012W/F
1-Gang 1-Device
2Way SP Switch
10AX 250V



WSBC5022W/F
1-Gang 2-Devices
2Way SP Switch,
10AX 250V



WSBC5032W/F
1-Gang 3-Devices
2Way SP Switch,
10AX 250V



WSBC5092W/F
1-Gang 4-Devices
2Way SP Switch, (7x7)
10AX 250V



WSBC5042W/F
2-Gang 4-Devices
2Way SP Switch, (7x14)
10A 250V



WSBC5511W/F
1-Gang 1Way SP Push Switch,
with "Bell Symbol"
10A 250V

Color Options



White

W□□



Beige

F□□



Black

B□□



Metallic
Pearl Gray

M Y H



Metallic
Pearl Gold

M Y Z



WSBC4211W/F
1-Gang 2Way
Push On/Off 500W Dimmer
220V-240V 50/60Hz



WSBC4213W/F
1-Gang 2Way
Push On/Off 1000W Dimmer
220V-240V 50/60Hz



WSBC5303W/F
1-Gang, 20A DP, 250V
with Indicator



WSBC5313W/F
1-Gang 20A DP Switch Marked
"WATER HEATER"
with Indicator,
20A 250V



WSBC5403W/F
1-Gang 45A DP Switch
with Indicator,
45A 250V (7x7)



WSBC5413W/F
1-Gang 45A DP Switch
with Indicator,
45A 250V (7x14)



WSBC3217W/F
1-Gang
CAT6 RJ45



WSBC3227W/F
1-Gang 2-Devices
CAT6 RJ45



WSBC3118W/F
1-Gang Telephone Socket
RJ11/12 6P4C



WSBC3128W/F
1-Gang 2-Devices
Telephone Socket
RJ11/12 6P4C



WSBC7010W/F
1-Gang Cable Outlet with
20A Terminal Block



WSBC7020W/F
1-Gang Cable Outlet with
45A Terminal Block



WSBC3011W/F
1-Gang TV Socket
F Type



WSBC3021W/F
1-Gang 2-Devices TV Socket
F Type



WSBC3818W/F
1-Gang TV Socket F Type +
Telephone Socket RJ11/12 6P4C



WSBC4814W/F
Curtain Switch



WSBC8020W/F
Blank Plate
2-Gang



WSBC8010W/F
Blank Plate
1-Gang



WSBC1210W/F
1-Gang Socket, Unswitched
13A 250V



WSBC1220W/F
2-Gang Socket, Unswitched
13A 250V



WSBC1212W/F
1-Gang DP Switched Socket
13A 250V



WSBC1222W/F
2-Gang DP Switched Socket
13A 250V



WSBC1224W/F
2-Gang DP Switched Socket
with Indicator
13A 250V



WSBC1214W/F
1-Gang DP Switched Socket
with Indicator
13A 250V



WSBC1017W
1-Gang DP Switched Socket
with USB Charger
Switch: 13A 250V
USB Charger: 2.1A 5V



WSBC6120W/F
Cooker Control Unit 45A DP Switch +
13A DP Switched Socket with Indicator



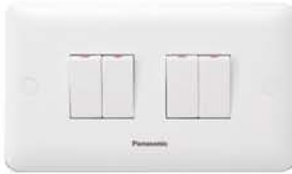
WSBC1016W
13A 250V Socket + 3.1A 5V
Double USB Charger



WSBC1228W/F
Socket Outlet Residual Current Device
13A 220V-240V



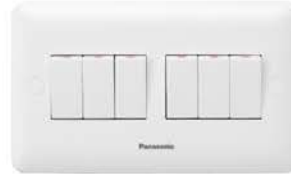
WBC5011
10A Plate Switch
1G, 1-Way SP
10AX 250V~



WBC5041
10A Plate Switch
4G, 1-Way SP
10AX 250V~



WBC5021
10A Plate Switch
2G, 1-Way SP
10AX 250V~



WBC5061
10A Plate Switch
6G, 1-Way SP
10AX 250V~



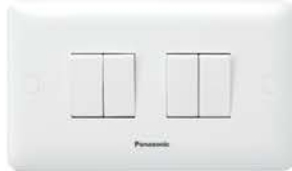
WBC5031
10A Plate Switch
3G, 1-Way SP
10AX 250V~



WBC5413
45A Plate Switch
DP w/ Neon
45A 250V~ (7x14)



WBC5012
10A Plate Switch
1G, 2-Way SP
10AX 250V~



WBC5042
10A Plate Switch
4G, 2-Way SP
10AX 250V~



WBC5022
10A Plate Switch
2G, 2-Way SP
10AX 250V~



WBC5062
10A Plate Switch
6G, 2-Way SP
10AX 250V~



WBC5032
10A Plate Switch
3G, 2-Way SP
10AX 250V~



WBC5014
10A Plate Switch
1G, Intermediate
10AX 250V~



WBC5511
Push Switch
1G, 1-Way SP w/ Bell Symbol
10A 250V



WBC5203
20A Plate Switch
1-Gang, DP
20A 250V~



WBC6120
Cooker Control Unit
45A, Switch, DP, DP Switched w/ Neon
13A 250V~



WBC5303
20A Plate Switch
1G, DP with Neon
20AX 250V~



WBC5403
45A Plate Switch
DP w/ Neon
45A 250V~ (7x7)



WBC4211
Dimmer Switch
1G, 2-Way Push On/Off 500W
230V~50/60Hz



WBC4221
Dimmer Switch
1G, 2-Way Push On/Off 400Wx2
230V~50/60Hz



WBC4530
Fan Controller
1G, 1-Way Rotary On/Off 500W
230V~50/60Hz



WBC3118
Telephone Socket
1G RJ11/12



WBC3128
Telephone Socket
2G RJ11/12 6P4C



WBC5313
20A Plate Switch
Marked "Water Heater"
20AX 250V~(with Neon)



WBC7010
Cable Outlet
with 20A
Terminal Block



WBC7020
Cable Outlet
with 45A
Terminal Block



WBC7102
13A Fused Connection Unit
1G, DP Switched,
13A 250V



WBC7103
13A Fused Connection Unit with Lamp
1G, DP Switched,
13A 250V



WBC3227
Data Socket
2G RJ45 CAT6



WBC3217
Data Socket
1G RJ45 CAT6



WBC1214
13A Socket Outlet with Indicator
1G, DP Switch with Neon
13A 250V~



WBC1224
13A Socket Outlet with Indicator
2G, DP Switched
13A 250V~



WBC1016
13A 250V Socket + 3.1A 5V
Double USB Charger



WBC3011
1G TV Socket
F Type



WBC3818
TV Socket
F Type + Tel Socket
RJ11/12 6P4C



WBC3878
Data Socket + Telephone Socket
CAT6 (RJ45)
Telephone Socket RJ11/12 6P4C



WBC1212
13A Socket Outlet
1G, DP Switched
13A 250V~



WBC1222
13A Socket Outlet
2G, DP Switched
13A 250V~



WBC1210
1G Un-Switched Socket Outlet
13A DP 250V AC



WBC8020
Blank Plate
2-G



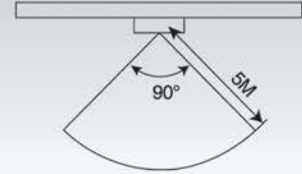
WBC8010
Blank Plate
1G

Sensor Switch

WEBFP57311W-SA
White (Wall Mounted)



Rating	220V-240V Incandescent lamp 300W Fluorescent lamp 100W
Time-Out Delay	45 seconds - 75 seconds
Daylight Sensor	Less than 15 lux
Installation	1.2 m-1.6 m high



Ceiling Mounted Sensor - Master

WTKG2411
White



Rating	3A 220-240V~, Incandescent Lamp 660W Fluorescent Lamp 330W
Applicable Standard	IEC60669-2-1
Ambient Temperature	-10℃ — +40℃
Applicable Wire	Rigid Copper Conductor 1.5mm ² - 2.5mm ²
Size of Installation Hole(cm)	Ø7cm (+0.5cm)
Applicable Box	Square Box (Depth : 2 inches or more) Octagon Box (Depth : 2 inches or more)
Time-Out Delay	10 seconds - 30 minutes
Detectable Movement Speed	0.3m/seconds - 1.0m/seconds
Temperature of Detection	4°C or more

Ceiling Mounted Sensor - Auxiliary

WTKG2911
White



Rating	12V DC (Must be connect with only WTKG2411) can not connect with lamp
Applicable Standard	IEC60669-2-1
Ambient Temperature	-10℃ — +40℃
Applicable Wire	Rigid Copper Conductor 1.5mm ² - 2.5mm ²
Size of Installation Hole(cm)	Ø7cm (+0.5cm)
Applicable Box	Square Box (Depth : 2 inches or more) Octagon Box (Depth : 2 inches or more)
Time-Out Delay	Depend on time out delay of master
Detectable Movement Speed	0.3m/seconds - 1.0m/seconds
Temperature of Detection	4°C or more

Ceiling Mounted Sensor

WTKG2310-P
White



Rating	3A 220V-240V~
Applicable Standard	IEC60669-2-1
Ambient Temperature	-10℃ — +40℃
Applicable Wire	Rigid Copper Conductor 1.5mm ² - 2.5mm ²
Size of Installation Hole(cm)	Ø7cm (+0.5cm)
Applicable Box	Square Box (Depth : 2 inches or more) Octagon Box (Depth : 2 inches or more)
Time-Out Delay	Fixed 1 minute
Detectable Movement Speed	0.3m/seconds - 1.0m/seconds
Light Sensor	None
Temperature of Detection	4°C or more

Special Functions



Floor Box-3 Compartments for concrete floor

DUMF6202LT-1

The three-compartment floor box for British
Standard power and data outlets, flexible combination for various applications

SIMPLE LID REVERSING

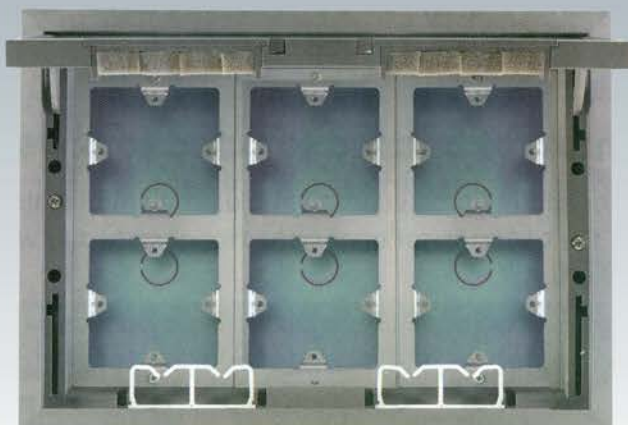
Quick and easy releasing lid by moving it to the unlock position

OPTIONAL DEVICES DIRECTION

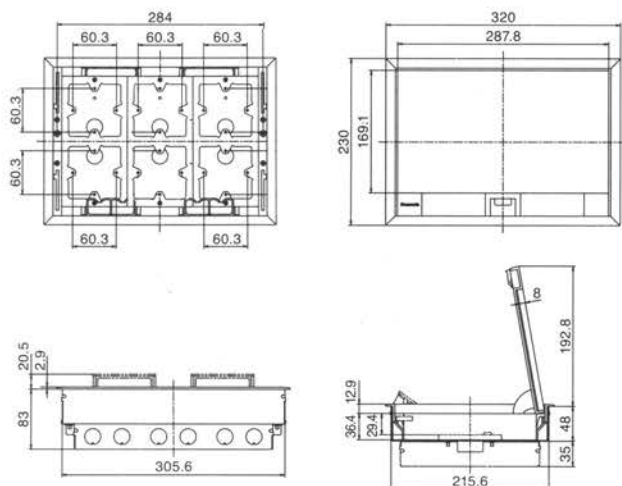
Power and Data devices can be adjusted to 4 directions (for single devices)

6 DEVICES MOUNTABLE

Multiple combination of Power and Data up to 6 modules maximum



Dimension



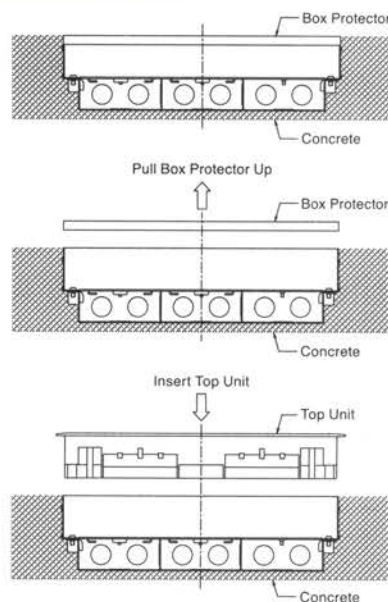
Installation

How To Mount

After putting the concrete on, make the hole to install the product.

- (1) Take the box protector off

- (2) Insert the Floor Outlet Unit





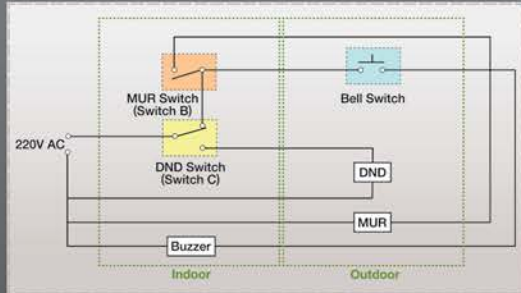
WSBC9631W
Push Button with
Don't Disturb and Make up
Room signs Lamps



WSBC9220W
1G 2-Way SP (Don't Disturb)
1G 1-Way SP (Make Up Room)



WSBC9810W
Card Switch
16A 220V AC (15-30S Off Delay)



WBC9120/WSBC9120
Shaver Socket
Input 220-250V AC
Output 230V/115V



EBG888K/EBG889
Door Chime 220 AC
Easy to hear 82dB Chime

Floor Outlet Aluminium Series



Safety

Water and Dust Protection

This product conforms with the water and dust protection level **IP44** (IEC60529) by the cover are closed.

IP44 Harmful ingress of water: **Level 4**
Protection against splashing water
(No damage by water splash
from any direction)

Harmful ingress of solid obstacles: **Level 4**
Protection against substance bigger than 1.0 mm.
(No entry of fine cable, cloth, paper, board pieces)

Damage Protection

When the covers are closed, receptacles & plugs are stored inside of floor outlets. It prevents damage caused by fall of fallen objects and treading.



Panasonic®

WHITE

For Indoor Use Only
استخدام في الأماكن المغلقة فقط

BS 13A EXTENSION CORD WITH SAFETY SHUTTERS & BREAKER,

3 SOCKETS, 2-PORT USB CHARGER WITH MAIN SWITCH

توصيلة كهربائية مع غالق امان وقاطع كهرباء 3 أفيش / 2 USB

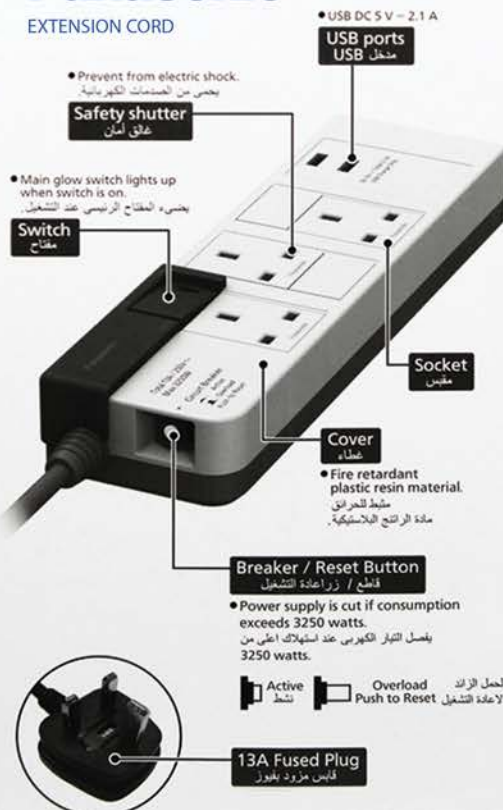
4 SOCKETS, WITH MAIN SWITCH

توصيلة كهربائية مع غالق امان وقاطع كهرباء 4 أفيش

Max. 3250 W 13 A 250 V ~

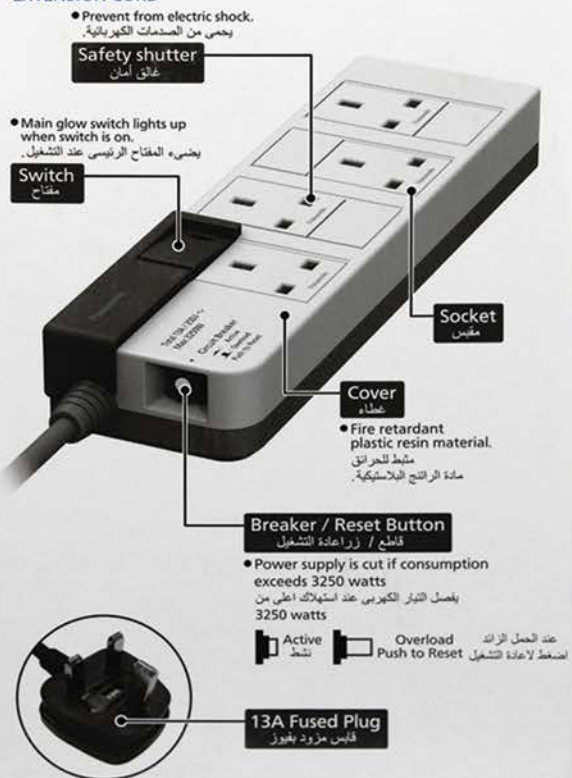
Panasonic®

EXTENSION CORD



Panasonic®

EXTENSION CORD



Outdoor plate with excellent weather proof resistance.



WEATHERPROOF SERIES



WBG8981-P

1-Gang Weather Proof Cover Plastic
BS - Type - IP55



WBG8982-P

2-Gang Weather Proof Cover Plastic
BS -Type - IP55



WBC8981W-SA

Plastic Weatherproof Plate for
Switches with
7x7 cm Size Plates (IP54)



WEG8981-P

Weather Proof Cover
A-Type Plastic IP55



WEG8881-P

Weather Proof Cover
A-Type Metal IP55

BUILT TOUGH WITH HIGH QUALITY WEATHER PROOF OUTDOOR SWITCH & ENCLOSURE



HIGHLY DURABLE



GRADE RATING



SAFETY FEATURES



SWITCH



Push Switch 1-Gang 1-Device
WBKC5511

2Way Switch 1-Gang 1-Device
WBKC5212

2Way Switch 1-Gang 2-Devices
WBKC5222



1-Gang Enclosure Only
WBKC8911



2-Gang Enclosure Only
WBKC8921

ENCLOSURES SINGLE AND DOUBLE

FEATURES

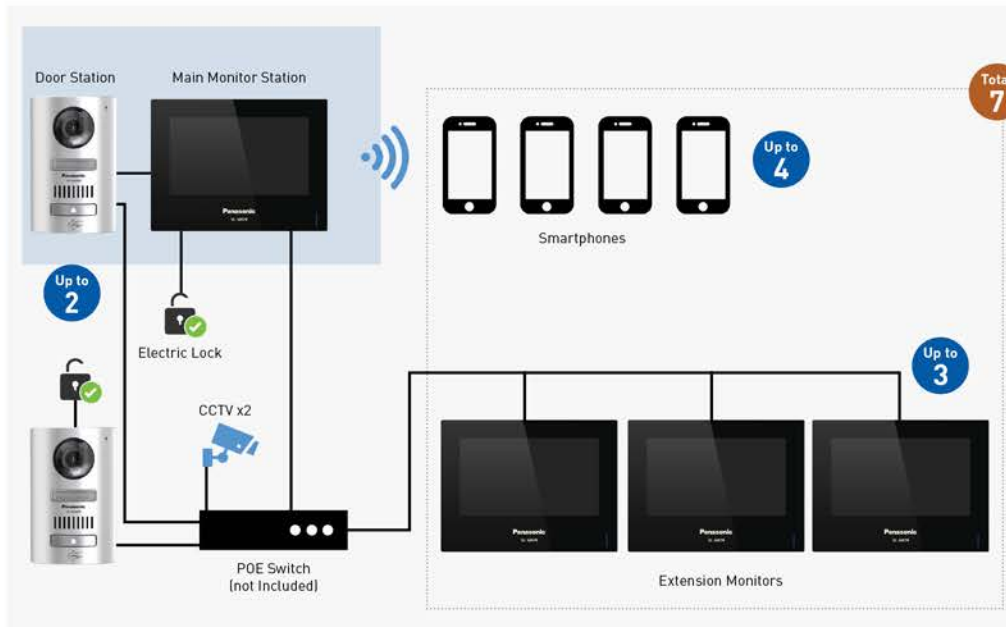
- Products are made from tough thermoplastic materials and are suitable for indoor and outdoor use where corrosion resistance and moisture resistance are required.
- The products offer an ingress protection code of IP66 at all times, provided the product is installed correctly, the lid is closed and the cable correctly positioned through the center of the gel seal.
- The switch product has a fluorescent indicator light that stays lit when the switch is off.
- The cover product complies with the IEC 60670-1 and the Switch product complies with the IEC 60669-1 standards. Both products comply with IEC 60529-IP66 standards. European RoHS directive compliant, Completely free from Cd, Hg, Cr6+, Pb, PBBs, PBDEs.



المواصفات

- الشاشة الرئيسية / الشاشة الإضافية
- شاشة 7 بوصة تعمل باللمس
- التحكم عن بعد من الهاتف الذكي عن طريق التطبيق
- الرؤية الليلية
- متعدد الشاشات
- إمكانية إضافة 3 شاشات 7 بوصة للشاشة الرئيسية
- إمكانية فتح قفل الباب الكهربائي (حد أقصى 2)

■ Connection Overview



Wireless Video Intercom System
Highly Expandable Series
VL-SWD275CX

Panasonic



Up to 2

Door Station
VL-V524L



Arabic Available

7-inch Wide Screen

Up to 3*2
(not including the main monitor)

Main Monitor Station
VL-MWD275



Up to 6*2

Wireless Monitor Station
VL-WD613

< 2 Wire*1 >

*1 Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.
*2 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.

شاشة متحركة / قابلة للتوسعة
(DECT)



- يمكنك استخدام الشاشة اللاسلكية لرؤية الزائر والتحدث معه من أي مكان داخل المنزل
- يمكنك توصيل حتى 6 شاشات لاسلكية، والحد الأقصى للمسافة 100 متر بدون أي عوائق

جودة صورة عالية

- الكاميرا الخارجية تعطي جودة ١.٣ ميغا بيكسل تعطي صورة أكثر وضوحاً



Pictures are simulated.

خصائص أخرى

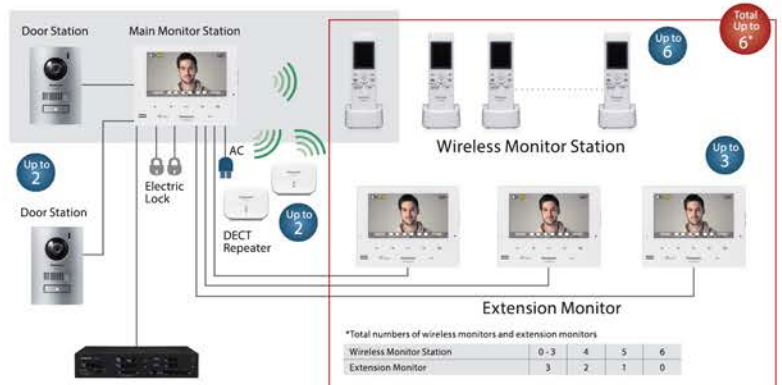
- يدعم فك قفل الباب الكهربائي (يحتاج لمحول كهرباء ١٢ فولت أو ٢٤ فولت)
- ميزة تغيير الصوت بلمسة واحدة
- تسجيل الصور
- (ذاكرة داخلية تسجل ٥٠ زائر ولكل زائر ٤ صور)
- مكالمة داخلية بين الشاشات
- الرؤية الليلية

تصميم جديد ومتطور

- شاشة مسطحة بالكامل مع مفاتيح استشعار تعمل باللمس
- الكاميرا الخارجية منحنية وتظهر بشكل معدني يتناسب مع مدخل المنزل



Connection Overview



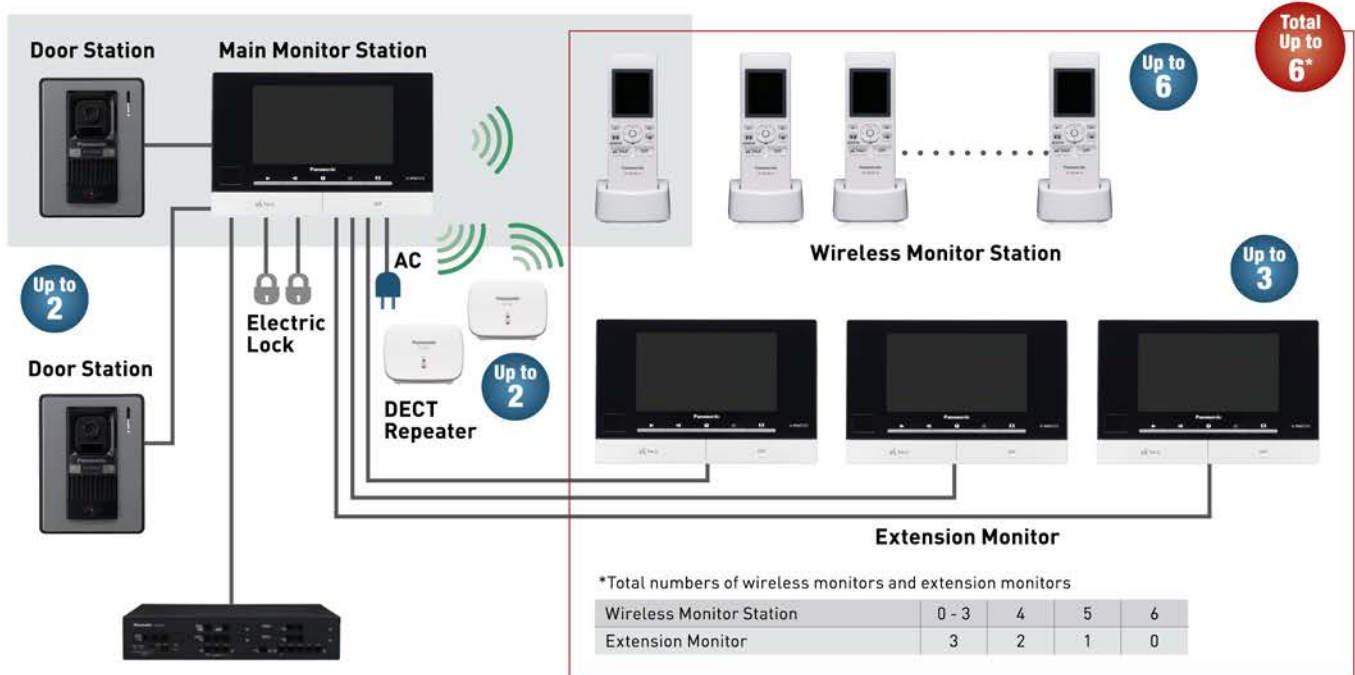


تصميم جديد ومتطور

- يمكنك إضافة ٣ شاشات ٧ بوصة و ٣ شاشات لاسلكية
- شاشة لاسلكية تمكنك من الرد على الزائر من أي مكان داخل المنزل
- شاشة رئيسية عريضة ٧ بوصة ملونة



Connection Overview





All pictures have been graphically illustrated to simulate the mirror effect. The operation screen is displayed on the LCD during operation.



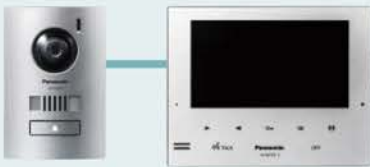
تصميم جديد ومتطور

• شاشة V بوصة مسطحة بالكامل مع مفاتيح استشعار تعمل باللمس

كاميرا بجودة ١.٣ ميغا بيكسل تعطي صورة أكثر وضوحا

قابل للتوسعة بشكل كبير

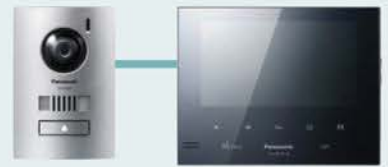
• يمكن توصيل ٣ شاشات إضافية بالشاشة الرئيسية



VL-SV74-S
(Silver)



VL-SV74-W
(White)



VL-SV74-M
(Mirror design)

* The colours of these products look different from the catalog depending on the angle and light source.



Highly Expandable

Up to 3 additional 7-inch monitors can be connected to the main monitor.



7-inch Screen, Colour LCD Monitor

Easy-to-see clear picture from the 7-inch wide colour LCD.

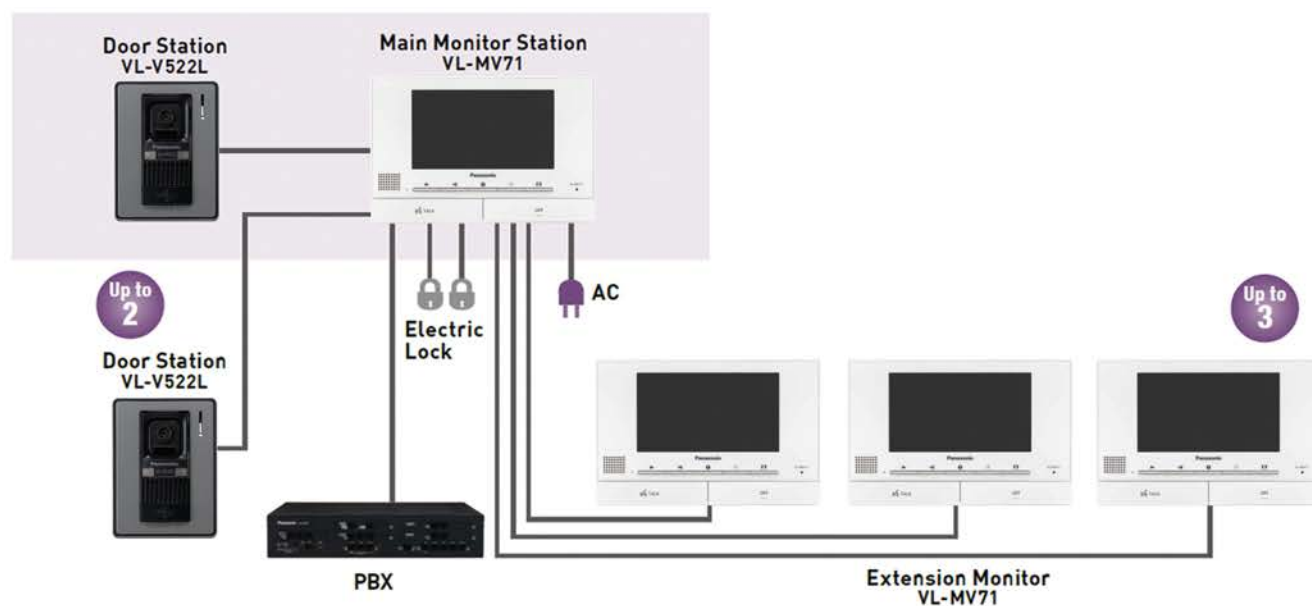


Picture Recording

(Up to 50 visitors (up to 8 still images per visitor))



Connection Overview

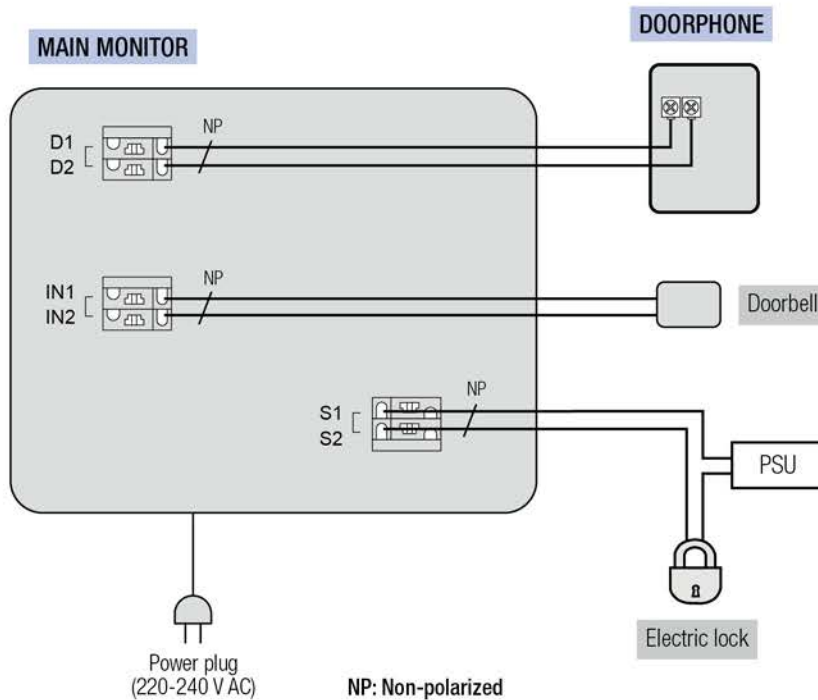




المواصفات

- شاشة ٧ بوصة عريضة ملونة
- ميزة تغير الصوت بلمسة واحدة
- فتح قفل الباب الكهربائي (يحتاج لمحول ١٢ فولت)
- تسجيل الصور (٥٠ زائر لكل زائر ٤ صور)
- الرؤية الليلية

Wiring Schematic Diagram



WINDOW MOUNT TYPE VENTILATING FAN

Window Mount Type Ventilating Fan Model Comparison

Model No.	Voltage		Air Volume		Consumption	Noise	Weight	Installation Space
	[V]	[Hz]	[m³/h]	[CFM]	[W]	[dB(A)]	[kg]	[mm]
Cord-operated Shutter Series								
FV-15WU4	220	50	210	124	8.1	35	0.9	Ø186 - Ø188
		60	200	118	8.9	34		
	230	50	220	129	8.8	36		
		240	50	230	135	37		
FV-20WU4	220	50	360	212	16.4	32	1.1	Ø247 - Ø250
		60	360	212	19	31		
	230	50	380	224	17.9	34		
		240	50	400	235	36		

Note :

1. The value of power consumption, air volume and noise are specified at static pressure of 0 Pa
2. The value of air volume is the mean value measured by our company.
3. The value of noise level are the average of three values measured at 1m apart from left, right and front of product.
4. The value of noise level is A weight average sound pressure level measured by our company.



FEATURES OF

ELECTRIC SHUTTER SERIES

Rain proof and wind resistible

Hood structure for prevention of rain water ingress

High static pressure blade can prevent ingress of rain & wind during operation

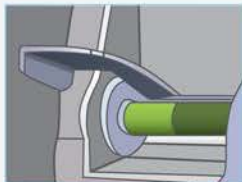


Newly designed shutter can keep out entry of rain water effectively

Bent End Structure of the shutter can block the backflow of outside wind



Easy installation

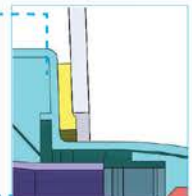


Mounting Bracket

Unique design of mounting bracket can fix the fan on glass plate with simple process

Packing
No Gasket / No Silicon Seal

Attached packing tightly closes to the glass plate that gets rid of water leakage to indoor

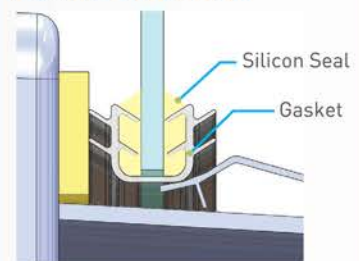


e.g. FV-15WH3T

Orifice is not necessary to detach for installation. Simply fix the fan on glass plate by screws at front.



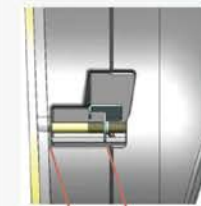
Pervious Setting Method



Both gasket & silicon seal are not required for FV-15WH3T/FV-20WH3T

High adaptability

New mounting design allows the fan to be fixed on glass plate of thickness from 3mm up to 25mm with ease



Applicable Glass Thickness
3mm-25mm

Double glass

Often called insulated glass, this kind of glass constructed of two panes of glass set apart to allow airspace in between. This airspace acts as a buffer which obstructs the transfer of heat from one side of the glass to the other.



Bathroom



Toilet



Office

WALL-MOUNT TYPE VENTILATING FAN



SPECIFICATION

Series	Model		Consumption [W]		Air Volume				Noise [dB(A)]		Weight [kg]
			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
					[CMH]	[CMH]	[CFM]	[CFM]			
Automatic Shutter Louver Series	FV-20AL1		18	22	550	610	323	359	38	42.5	2.0
	FV-25AL1		25	31	840	860	494	506	40.5	42	2.5
	FV-30AL1		28	33	1000	1000	588	588	39	40	2.8
Reversible Louver Series	FV-20RL1	Exhaust	17	-	550	-	323	-	38	-	2.1
		Intake	12.5	-	430	-	253	-	45	-	
	FV-25RL1	Exhaust	25	-	840	-	494	-	40.5	-	2.5
		Intake	16.5	-	600	-	353	-	43	-	
	FV-30RL1	Exhaust	27.5	-	1000	-	588	-	39	-	2.8
		Intake	18	-	750	-	441	-	42	-	
Automatic Shutter Series	FV-20AU1		18	22	590	680	347	400	36	39	1.9
	FV-25AU1		25	31	950	990	559	582	38	39	2.3
	FV-30AU1		28	33	1200	1200	706	706	37	37	2.6
Reversible Series	FV-20RG1	Exhaust	17	-	590	-	347	-	36	-	2.0
		Intake	12.5	-	440	-	258	-	45	-	
	FV-25RG1	Exhaust	25	-	950	-	559	-	38	-	2.4
		Intake	16.5	-	670	-	394	-	45	-	
	FV-30RG1	Exhaust	27.5	-	1200	-	706	-	37	-	2.7
		Intake	18	-	880	-	517	-	44	-	

Values in specification table are at 220V.

1.The value of power consumption, air volume and noise are specified at the static pressure of 0 Pa.

2.The value of air volume is the mean value which is measured by our company.

3.The value of noise level is measured at 1m apart from the left, the right and the front of product, then get the average of three values.

4.The value of noise level is A weight average sound pressure level, the mean value is measured by our company.

SUPER QUIET SERIES



FV-24CU9 / FV-24CH9

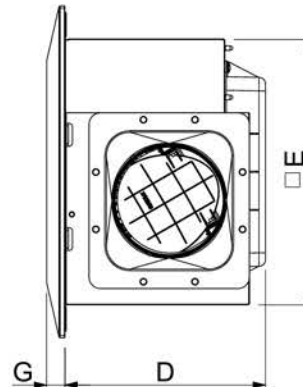
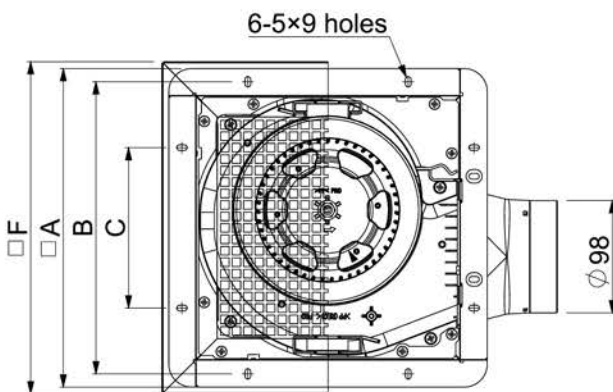
- HP (half pitch) motor with ball bearing
- Taper blade sirocco fan
- Curve-shaped backdraft shutter
- Super low noise level
- Motor insulation Class B

Unit: mm

A	B	C	D	E	F	G	Duct Size
278	255	140	175	233	290	16	Ø100



Panasonic Electric Works Vietnam Co., Ltd. certifies that the Ceiling Mount Type models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



SPECIFICATION

Model	Voltage [V]	Frequency [Hz]	CFM / SONE AT STATIC Pressure (ps-inches of H ₂ O)					RPM	Watts*	Watts**
			Inches of H ₂ O	0	0.1	0.125	0.25			
FV-24CU9	220	60	CFM	83	73	68	46	585	13	13.5
			Sones	0.4	0.5	0.6	1.3			
	240	50	CFM	89	77	75	51	614	13	12
			Sones	0.5	0.7	0.7	1.4			
FV-24CH9	220	60	CFM	109	99	96	75	791	22	20.5
			Sones	1.0	0.9	1.0	1.3			
	240	50	CFM	117	109	96	73	861	21	19.5
			Sones	1.2	1.2	1.2	1.3			

Performance certified for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: Free inlet hemispherical sone levels.

* the Watts rating is for AMCA test method and it is at the static pressure of 0 inch of H₂O.

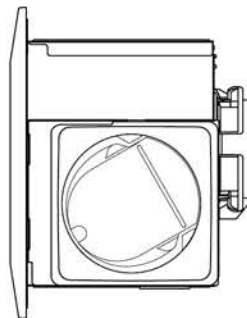
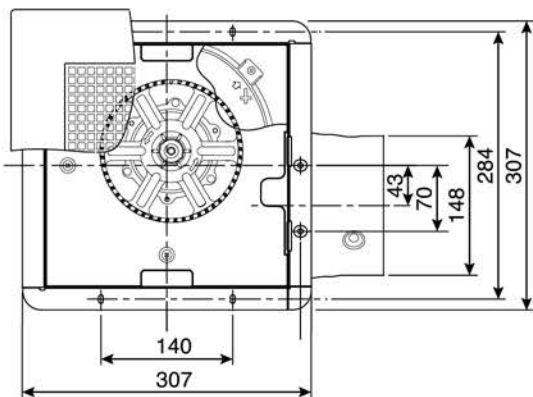
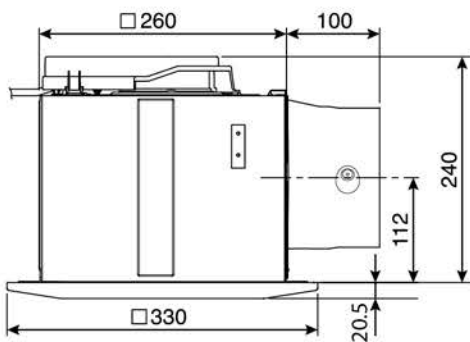
** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.

SUPER QUIET SERIES



FV-27CH9

- Super low noise design
- Long life ball bearing motor
- Taper blade sirocco fan
- Resonance-Noise-Absorption Structure
- Pre-installed power cord
- 2 speed selectable



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SPECIFICATION

Model	Voltage [V]	Frequency [Hz]	Speed	CFM / SONE AT STATIC Pressure (ps-inches of H ₂ O)							RPM	Watts*	Watts**
				Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5			
FV-27CH9	220	60	Hi	CFM	180	160	154	117	76	34	578	36	33
				Sones	1.0	1.1	1.3	1.7	2.5	2.5			
	240	50	Hi	CFM	198	179	172	128	78	28	618	38	34
				Sones	1.4	1.5	1.6	1.8	2.6	2.6			

Performance certified for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: Free inlet hemispherical sone levels.

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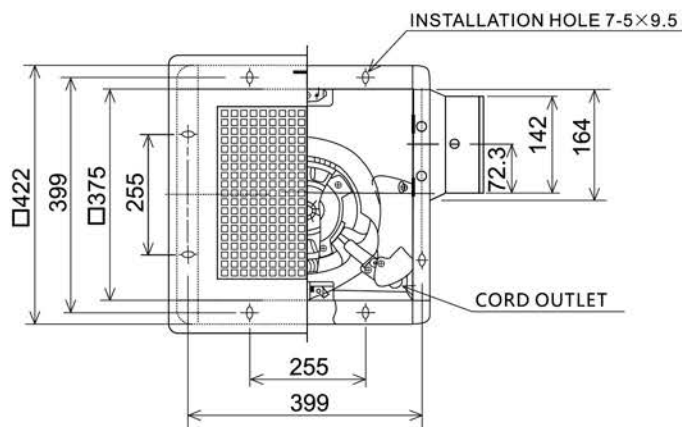
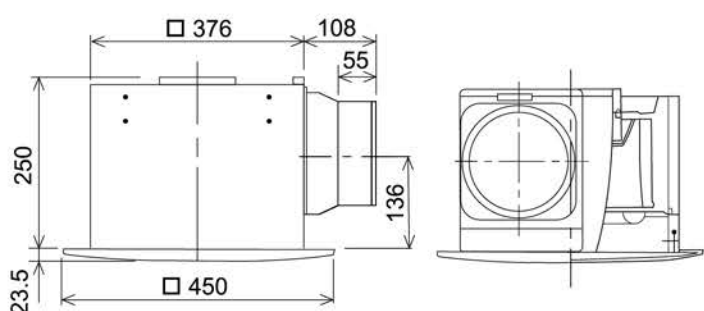
** the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

METAL SERIES



FV-38CD8 / FV-38CD8 05

- High-Low speed selectable
- Condenser motor with thermal cut-off
- Well lubricated bearing for long life operation
- High performance sirocco fan



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SPECIFICATION

Model	Voltage [V]	Frequency [Hz]	Speed	CFM / SONE AT STATIC Pressure (ps-inches of H ₂ O)										RPM	Watts*	Watts**
				Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875			
FV-38CD8	220	60	Hi	CFM	356	334	329	305	273	236	199	162	125	670	109	98
				Sones	3.4	3.5	3.6	3.7	3.9	4.2	5.1	5.7	6.2			
FV-38CD8 FV-38CD8 05	240	50	Hi	CFM	387	367	362	336	305	259	212	165	117	730	119	104
				Sones	4.0	4.1	4.2	4.3	4.4	4.7	5.3	5.7	6.2			

Performance certified for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed [RPM] shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: Free inlet hemispherical sone levels.

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SEPCIFICATION

	Model	Voltage [V]	Frequency [Hz]	Speed	CFM / SONE AT STATIC Pressure (ps-inches of H ₂ O)										RPM	Watts*	Watts**
					Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875			
Super Quiet Series	FV-17CU8	220	60	-	CFM	41	28	25	-	-	-	-	-	-	815	11.4	10
					Sones	0.3	0.5	0.6	-	-	-	-	-	-			
		240	50	-	CFM	48	40	37	-	-	-	-	-	-	830	12.1	10.5
					Sones	0.3	0.4	0.6	-	-	-	-	-	-			
	FV-17CU9	220	60	-	CFM	44	32	29	-	-	-	-	-	-	664	10	10
					Sones	0.3	0.5	0.6	-	-	-	-	-	-			
		240	50	-	CFM	51	43	40	-	-	-	-	-	-	728	10	9.5
					Sones	0.3	0.4	0.5	-	-	-	-	-	-			
	FV-24CU8	220	60	-	CFM	77	66	64	44	-	-	-	-	-	640	16.5	15.5
					Sones	0.4	0.4	0.6	1.5	-	-	-	-	-			
		240	50	-	CFM	87	77	74	50	-	-	-	-	-	680	14.9	14
					Sones	0.5	0.7	0.7	1.5	-	-	-	-	-			
	FV-24C08	220	60	-	CFM	94	79	77	58	-	-	-	-	-	750	17.6	16.5
					Sones	0.6	0.7	0.7	1.5	-	-	-	-	-			
		240	50	-	CFM	104	90	85	63	-	-	-	-	-	800	18.8	17.5
					Sones	0.8	0.9	1.0	1.6	-	-	-	-	-			
	FV-24CH8	220	60	-	CFM	105	93	91	75	47	-	-	-	-	810	23.4	22
					Sones	0.8	0.9	1.0	1.3	2.2	-	-	-	-			
		240	50	-	CFM	115	109	93	71	21	-	-	-	-	880	23.7	22
					Sones	1.2	1.2	1.2	1.3	1.8	-	-	-	-			
	FV-24CU9	220	60	-	CFM	83	73	68	46	-	-	-	-	-	585	13	13.5
					Sones	0.4	0.5	0.6	1.3	-	-	-	-	-			
		240	50	-	CFM	89	77	75	51	-	-	-	-	-	614	13	12
					Sones	0.5	0.7	0.7	1.4	-	-	-	-	-			
	FV-24CH9	220	60	-	CFM	109	99	96	75	48	-	-	-	-	791	22	20.5
					Sones	1.0	0.9	1.0	1.3	2.2	-	-	-	-			
		240	50	-	CFM	117	109	96	73	33	-	-	-	-	861	21	19.5
					Sones	1.2	1.2	1.2	1.3	1.8	-	-	-	-			
	FV-27CH9	220	60	Hi	CFM	180	160	154	117	76	34	-	-	-	578	36	33
					Sones	1.0	1.1	1.3	1.7	2.5	2.5	-	-	-			
		240	50	Hi	CFM	198	179	172	128	78	28	-	-	-	618	38	34
					Sones	1.4	1.5	1.6	1.8	2.6	2.6	-	-	-			
	FV-32CD9	220	60	Hi	CFM	229	201	195	159	123	86	49	-	-	609	53	48
					Sones	1.2	1.3	1.4	1.7	2.2	2.7	3.3	-	-			
		240	50	Hi	CFM	257	236	230	192	147	99	53	-	-	668	57	50
					Sones	1.6	1.7	1.8	1.9	2.5	3.0	3.6	-	-			

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* the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.

** the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

SPECIFICATIONS

Series	Model	Voltage [V]	Frequency [Hz]	Speed	CFM / SONE AT STATIC Pressure (ps-inches of H ₂ O)										RPM	Watts*	Watts**
					Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875			
DC Motor Series	FV-24JR2	220	60	Hi	CFM	88	88	88	88	63	34	5	-	-	853	10	8
					Sones	0.7	1.0	1.0	1.3	1.7	1.8	3.1	-	-			
		240	50	Hi	CFM	88	88	88	88	63	34	5	-	-			
					Sones	0.7	1.0	1.0	1.3	1.7	1.8	3.1	-	-			
	FV-24JA2	220	60	Hi	CFM	88	88	88	88	63	34	5	-	-	839	10	8
					Sones	0.6	0.9	1.0	1.4	1.6	1.9	3.2	-	-			
		240	50	Hi	CFM	88	88	88	88	63	34	5	-	-			
					Sones	0.6	0.9	1.0	1.4	1.6	1.9	3.2	-	-			
Metal Series	FV-24CMU1	220	60	-	CFM	55	40	37	20	-	-	-	-	-	495	13	12
					Sones	0.3	0.7	0.8	1.6	-	-	-	-	-			
		240	50	-	CFM	55	44	41	24	-	-	-	-	-	562	14	13
					Sones	0.3	0.8	1.0	1.4	-	-	-	-	-			
	FV-27CMH1	220	60	-	CFM	94	85	83	72	54	-	-	-	-	681	25	23
					Sones	1.0	1.4	1.5	1.9	2.3	-	-	-	-			
		240	50	-	CFM	108	98	95	77	44	-	-	-	-	753	27	25
					Sones	1.4	1.8	1.9	2.1	2.2	-	-	-	-			
	FV-27CMH1	220	60	-	CFM	208	184	178	144	108	79	-	-	-	615	46	43
					Sones	1.6	1.7	1.7	2.3	3.2	3.5	-	-	-			
		240	50	-	CFM	219	194	188	150	110	70	-	-	-	669	46	43
					Sones	1.9	1.9	2.0	2.4	3.4	3.1	-	-	-			
Standard Series	FV-38CD8	220	60	Hi	CFM	356	334	329	305	273	236	199	162	125	670	109	98
					Sones	3.4	3.5	3.6	3.7	3.9	4.2	5.1	5.7	6.2			
	FV-38CD8 05	240	50	Hi	CFM	387	367	362	336	305	259	212	165	117	730	119	104
					Sones	4.0	4.1	4.2	4.3	4.4	4.7	5.3	5.7	6.2			

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: Free inlet hemispherical sone levels.

* the Watts rating is for AMCA test method and it is at the static pressure of 0 inch of H₂O.

** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.



INDUSTRIAL VENTILATING FAN

FEATURE OF HIGH PRESSURE SERIES

1 High Static Pressure, Low Power Consumption

The newly developed fan and original bellmouth construction enable operation with high static pressure and low power consumption.

2 Low-Noise Design

The fan blade's distinctive wave shape, developed using hydrodynamic analysis, delivers a smooth, turbulence-free airflow. The result is more air with less noise.

Fan with 3-dimensional
S-shaped Cross-section Blade

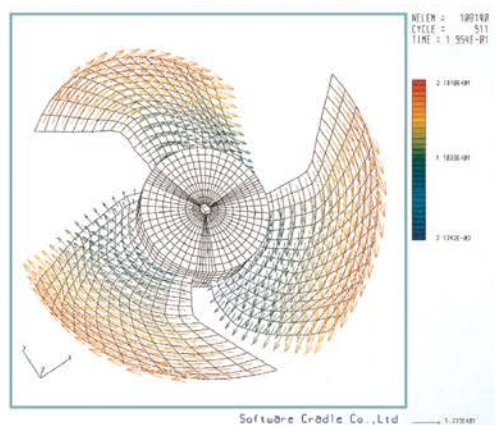


3 High Durability

Pressure is distributed more uniformly over the surface of the fan blade, making the blade more durable.

A special polyester resin and powder coating give a beautiful color and a highly rust-resistant finish.

Surface Velocity Vector Diagram



INDUSRTIAL VENTILATING FAN



FV-25GS5, FV-30GS5, FV-35GS5, FV-40GS5, High Pressure Series

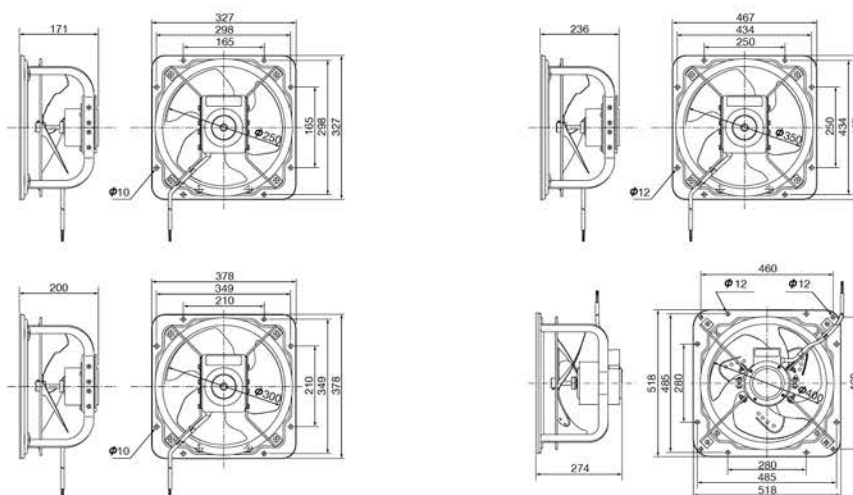
- Single phase
- Bell mouth construction with wave-shaped blade
- Durable powder coating
- High performance motor with thermal cutoff
- Reversible by adjusting wiring and blade
- Ambient temperature from -10°C to +40°C
- Possible to install horizontally or vertically
- Optional shutter available

Specification

Model No.	Voltage		Air Volume		Consumption	RPM	Noise	Weight
	[V]	[Hz]	[m³/h]	[CFM]	[W]	[min⁻¹]	[dB(A)]	[kg]
FV-25GS5	220	50	1,280	753	41	1,400	44	4.4
		60	1,440	848	57	1,595	46	
	230	50	1,280	753	43	1,410	44	
	240	50	1,280	753	44	1,420	44	
FV-30GS5	220	50	2,150	1,265	87	1,330	49	6.1
		60	2,390	1,407	119	1,510	51	
	230	50	2,150	1,265	92	1,350	49	
	240	50	2,150	1,265	98	1,360	50	
FV-35GS5	220	50	2,950	1,736	113	1,430	51	10.5
		60	3,380	1,989	161	1,665	54	
	230	50	2,950	1,736	118	1,435	51	
	240	50	2,950	1,736	122	1,440	51	
FV-40GS5	220	50	3,900	2,295	141	1,430	54	19.0
		60	4,890	2,878	270	1,590	58	
	230	50	3,900	2,295	146	1,435	54	
	240	50	3,900	2,295	151	1,440	54	

Dimension

Unit : mm



F-407Y 40cm (16")



المراوح ذات العمود

Stand Fan

- زر كبس للتشغيل والإيقاف مع ٣ سرعات
- قابلية ضبط الطول: ١٢٦سم-١٥١سم (٤٩"-٦١") (إتش)
- شفرة معدنية
- تصميم للسلامة طبقاً لمعايير اللجنة الدولية الكهروتقنية
- الألوان المتوفرة: ذهبي

- 3-speed and Off by Push-Button Switch
- Height Adjustable: 126cm - 151cm (49"1/2 - 59"1/2)
- Metal Blade
- Safety Design based on IEC Standard
- Colour: Gold

ذهبي
Gold

F-409U 40cm (16")



مراوح الحائط

Wall Fan

- زر للتشغيل والإيقاف مع ٣ سرعات عن طريق السحب
- ميزة التارجح والتحكم عن طريق السحب
- الشفرة: شفرة معدنية
- الألوان المتوفرة: أزرق، ذهبي

- 3-Speed and off by Pull Switch
- Oscillation control by Pull Switch
- Blade: Metal Blade
- Colour: Blue, Gold

ذهبي
Gold

F-30SCZ 30cm (12")

F-30SSZ 30cm (12")



المراوح ذات فتحات التهوية

Box Fan

- وظيفة "يوراغي" (Yuragi) نسمة هواء طبيعية
- زاوية قابلة للتعديل حتى ٤٥ درجة
- زر تحكم لاسلكي إلكتروني للتشغيل والإيقاف مع ٣ سرعات (F-30SCZ)
- زر إلكتروني للتشغيل والإيقاف مع ٣ سرعات (F-30SSZ)
- كوة أمامية دوارة
- شفرة بلاستيكية غير شفافة
- قابلية ضبط الطول: ٧٨سم-٩٦سم (٣١"-٣٨") (إتش)
- إمكانية ضبط زاوية الميول: ٤٥ درجة
- الألوان المتوفرة: أخضر لامع، بنفسجي لامع

- 1/f Yuragi (natural breeze)
- Adjustable Angle up to 45°
- 3-speed and Off by Wireless Remote Control (for F-30SCZ)
- 3-speed and Off by Electronic Switch (for F-30SSZ)
- Revolving Front Louver
- Opaque Plastic Blade
- Colour: Metallic Green, Metallic Purple

شيفر
اللون

اللون
الشفير

F-48XZ2/F-56XZ2 (Compact Regulator)



مروحة السقف

Ceiling Fan

- الاختيار من ٥ سرعات
- مزود بالعديد من ميزات الأمان: مسمار الأمان، صام الأمان، عقاف الأمان وسلك الأمان
- محمل كريات مشحم بشكل دائم
- متوفر بمقاس أجنحة ١٢٠٠ مم و ١٤٠٠ مم
- اللون: الهيكل: أبيض
- الحلقة: ذهبي لامع، ذهبي غير لامع

- 5-speed Selection
- Packed with Safety Features: Safety Screw, Safety Fuse, Safety Hook and Safety Wire
- Permanently Lubricated Ball-bearing Assembly
- Available in 1200 mm & 1400 mm blade span
- Colour: Body: White
- Ring: Gloss Gold, Non-gloss Gold



F-56UPG 140cm (56")



مروحة السقف مع جهاز تحكم عن بعد

Remote Control Ceiling Fan

- وحدة للتحكم عن بعد لاسلكياً
- تصميم أنيق
- تصميم شفرة معدنية ديناميكية
- الاختيار من بين ٣ سرعات
- مؤقت يمكن ضبطه لمدة ١، ٣، ٦ ساعات
- وضع السكون
- ميزات سلامة شاملة
- تركيب سهل
- كرسي تحميل مزدوجة مزينة باستمرار
- اللون: الهيكل: رمادي داكن
- الحلقة: ذهبية

- Wireless Remote Control
- Elegant Design
- Dynamic Metal Blade Design
- 3-Speed Selection
- 1,3,6 Hours Timer
- Sleep Mode
- Comprehensive Safety Features
- Easy Installation
- Permanently Lubricated Double Ball Bearing
- Colour: Body: Dark Grey
- Ring: Gold



KX-TGB110

- 1.4-inch Backlit LCD on Handset
- Eco Mode
- Zero Emit (Radiation Free)
- Caller ID^{*1} with 20-Item Caller ID Memory
- Advanced Alarm Clock (Snooze)
- Shared^{*3} Phonebook (50 items)
- Intercom between Handsets^{*3}
- Up to 3-Way Conference Capability with Outside Line^{*3}
- Rechargeable Ni-MH Batteries included



KX-TG1711

- Caller ID^{*1} with 50-Item Caller ID Memory
- 1.25-inch Easy-to-Read Illuminated LCD on Handset
- Easy Operation (Navigation Key)
- 50-Name & Number Phonebook
- Redial Memory (Up to 10)
- Intercom between Handsets^{*3}
- Conference Call with Outside Line^{*3}
- Alarm & Clock
- Any Key Answer
- Rechargeable Ni-MH Batteries included



Piano Black (B)
KX-TG1711



KX-TGC210

- 1.6-inch Backlit LCD on Handset
- One Touch Eco Mode
- Caller ID^{*1} with 50-Item Caller ID Memory
- Nuisance Call Block (Block specified number / Block Range of Numbers / Block Numberless Call)^{*1,2}
- Advanced Alarm (A day of the week / Snooze)
- Shared^{*3} Phonebook (50 items)
- Clear Sound
- Intercom between Handsets^{*3}
- Conference Call with Outside Line^{*3}
- Hands-Free Speakerphone on Handset
- Rechargeable Ni-MH Batteries included



KX-TG6811

- 1.8-inch Backlit LCD on Handset
- Illuminated Keypad & LCD on Handset
- Smart Function Key (NR Key)
- Power Back-Up Operation
- One Touch Eco Mode
- Caller ID^{*1} with 50-Item Caller ID Memory
- Incoming Call Barring (Block specified number)^{*1}
- Night Mode (Block Call for Specific Periods)
- Phonebook (100 items)
- Polyphonic Ringer Melodies on Handset
- Noise Reduction
- Hands-Free Speakerphone on Handset
- Rechargeable Ni-MH Batteries included

Arabic
Farsi
Available

Farsi
calendar



KX-TGC410 / KX-TGC413

- 1.6-inch Backlit LCD on Handset
- Nuisance Call Block (Block specified number / Block Range of Numbers / Block Numberless Call)^{*1,2}
- Power Back-Up Operation
- Hands-Free Speakerphone on Handset
- Shared^{*3} Phonebook (50 items)
- One Touch Eco Mode
- Caller ID^{*1}: 50-Items
- Clear Sound
- Key lock to prevent accidental phone calls
- Dedicated Intercom Button (Intercom Between Handsets^{*3})
- Call Share^{*3}, 3 Way Conference^{*3} (2 Cordless Handset and Landline)
- Handset Locator
- Rechargeable Ni-MH Batteries included



KX-TGC410



KX-TGC413



^{*1} Requires subscription to Caller ID service offered by your provider/telephone company. ^{*2} Numberless calls cannot be blocked depending on the service of your provider/telephone company. ^{*3} Multiple handsets are required. ^{*4} The batteries for the base unit are not supplied. ^{*5} Name pronunciation may vary.

KX-TGD510 / KX-TGD512 / KX-TGD520

- 1.6-inch Backlit LCD on Handset
- Illuminated Keypad Message Counter on Base unit (For KX TGD520, KX TGD522)
- Nuisance Call Block^{*1} (Up to 250 items) (Block specified number / Block Range of Numbers / Block numberless call^{*2})
- Call Block Button: Dedicated button on Handset
- Do Not Disturb Mode (Block call for specific periods / Bypassing Do Not Disturb Mode^{*1})
- Caller ID^{*1} with 50-Item Caller ID Memory
- Talking Caller ID^{*1,4}
- Shared^{*3} Phonebook: (150 items)
- Call Share^{*3}, 3 Way Conference^{*3}
- Power Back-Up Operation
- Handset Locator
- Low Battery Alert
- One Touch Eco Mode
- Full Duplex Speakerphone (Cordless Handset)
- Clear Sound
- Baby Monitor
- Customised Sound System
- Noise Reduction
- Key Lock to prevent accidental phone calls
- Intercom between Handsets^{*3}
- Voice Paging^{*3}
- Rechargeable Ni-MH Batteries for Cordless Handset included



KX-TGD510



KX-TGD512



KX-TGD520

Arabic Farsi Available
Farsi calendar
Digital Answering System
40 mins

KX-TGF310

- 2 Phones in 1 (Cordless Handset & Corded Handset)
- 1.8-inch Backlit LCD on Handset
- 3.4-inch Tilttable Backlit LCD on Base Unit
- Illuminated Keypad & LCD on Handset
- Power Back-Up Operation Using Two AAA (R03) Ni-MH Batteries^{*4} in Base unit
- One Touch Eco Mode
- Caller ID^{*1} with 50-Item Caller ID Memory
- Nuisance Call Block (Block specified number / Block Range of Numbers / Block Numberless Call)^{*1,2}
- Nuisance Call Block Button on Base unit (dedicated button) and Cordless Handset (soft key)
- Advanced Alarm (A day of the week / Snooze)
- Shared Phonebook (100 items)
- Noise Reduction on Cordless Handset
- Clear Sound
- Customised Sound System on Cordless Handset
- Do Not Disturb Mode (Block call for specific periods / Bypassing Do Not Disturb Mode^{*1})
- Baby Monitor
- Intercom All (To Base Unit and All Handsets)
- Up to 3-Way Conference Capability with Outside Line
- Full Duplex Hands-Free Speakerphone on Cordless Handset
- Multiple Cordless Handsets Up to 6
- Headset Jack on Cordless Handset
- Rechargeable Ni-MH Batteries for Cordless Handset included



KX-TGE110

- HAC (Hearing Aid Compatibility) Support
- 1.8-inch Backlit LCD on Handset
- Illuminated Keypad & LCD on Handset
- Dedicated Volume Keys on Handset
- Extra Loud Sound
- 3 Memory Dial Buttons
- Zero Emit (Radiation Free)
- Caller ID^{*1} with 20-Item Caller ID Memory
- Nuisance Call Block (Block specified number / Block Range of Numbers / Block Numberless Call)^{*1,2}
- Advanced Alarm (Snooze)
- Phonebook (50 items)
- Hands-Free Speakerphone on Handset
- Rechargeable Ni-MH Batteries included



KX-TGE110

- HAC (Hearing Aid Compatibility) Support
- FAV Call
- Torchlight
- Automated Call Block^{*1}
- Dedicated Call Block Button
- Talking Caller ID
- Advance Answering System
- Noise Reduction
- Equalizer
- Key Lock with Password Protection
- Eco Mode/ Eco Mode Plus
- Intercom/ Intercom All/Voice Pagan
- Conference Call with Outside Line



^{*1} Requires subscription to Caller ID service offered by your provider/telephone company. ^{*2} Numberless calls cannot be blocked depending on the service of your provider/telephone company. ^{*3} Multiple handsets are required. ^{*4} The batteries for the base unit are not supplied. ^{*5} Name pronunciation may vary.

KX-TS880

- Caller ID* Compatible
- 50-Station Phonebook
- 20-One-Touch / 10-Speed Dialer
- 20-Redial Memory / Auto Redial
- Hands-Free Speakerphone
- Ringer Indicator
- 39cm Long Curl Cord
- 2-Step Tilt Angle
- Programmable Flash Time Setting
- Programmable Tone / Pulse Setting
- 3-Step Ringer Volume (Off, Low, High)
- Dial Lock



KX-TSC11

- Caller ID* Compatible
- 50-Station Caller ID Memory*
- 50-Station Phonebook
- 20-Station Redial Memory
- 2-Line LCD with Clock
- Electronic Volume Control (4-Step)
- Programmable Flash Time Setting/ Pause



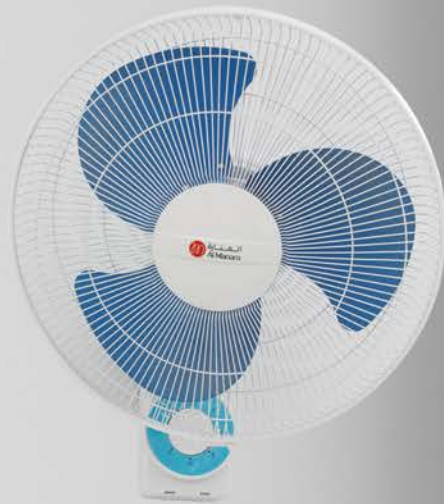
KX-TS500

- Redial Memory (Last Number)
- Electronic Volume Control (4-Step)
- Timed Flash (600 ms)
- Switchable Tone / Pulse Setting
- 3-Step Ringer Volume (Off, Low, High)



WALL FAN

Model: MF-409W, MF-409W-RT



FLOOR FAN

Model: MF-407B, MF-407B-RT



Remote Control



Narrow Grid for Safety



*100% Copper Winded Motor
>> Less Heat and Long Life*



Plastic Blade for Strong Wind



Key Features:

- 400mm blade size • 3-speed control
- 100% copper winding motor • 1250 RPM
- Long-lasting and safe narrow grill design

INSECT TRAP INSECT KILLER

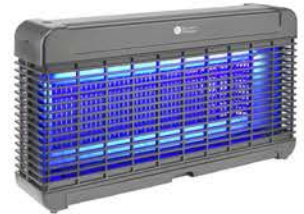
MIK216-G



MIK240-G



MIK301-G



SPECIFICATIONS

Power:	8W	18W	13W
Voltage:	220-240VAC	220-240VAC	220-240VAC
Frequency:	50/60Hz	50/60Hz	50/60Hz
High Voltage (Operation):	4000V Magnetic	4000V Magnetic	4000V Magnetic
Lamp Type:	2X4W L8T5 LED tube, 365+395NM	2X9W L20T8 LED tube, 365+395NM	UV-A LED, 365+395nm
Average Life of Lamp:	Approx. 20,000 hours	Approx. 20,000 hours	Approx. 20,000 hours
Average Coverage:	Approx. 50m ²	Approx. 200m ²	Approx. 200m ²
Main Material:	ABS Fireproof plastic	ABS Fireproof plastic	ABS Fireproof plastic
IP Class:	IP 24	IP 24	IP 24

MIK217-W



MIK24-B



MIK40-B



SPECIFICATIONS

Power:	7W	18W	12W
Voltage:	220-240VAC	220-240VAC	220-240VAC
Frequency:	50/60Hz	50/60Hz	50/60Hz
High Voltage (Operation):	4000V Magnetic	4000V Magnetic	4000V Magnetic
Lamp Type:	1X7W E27 3U LED Lamp 365+395nm	1X12W LED Tube 365+395nm	UV-A LED, 365+395nm
Average Life of Lamp:	Approx. 20,000 hours	Approx. 20,000 hours	Approx. 20,000 hours
Average Coverage:	Approx. 80-100m ²	Approx. 200m ²	Approx. 100m ²
Main Material:	ABS Fireproof plastic	ABS Fireproof plastic	ABS Fireproof plastic
IP Class:	IP 24	IP 24	IP 24

Supervised by:
Toshin Co., Ltd., Tokyo, Japan

Made in China



Works Without Chemicals



THE MOST *ELEGANT &* *MODERN* SWITCHES



ASP* SHIELD SOCKET
GUARD YOUR **SAFETY**



F021611A-WH
1 Gang 1 Way Switch 16A



F021612A-WH
1 Gang 2 Way Switch 16A



F021621A-WH
2 Gang 1 Way Switch 16A



F021622A-GD
2 Gang 2 Way Switch 16A



F021631A-GD
3 Gang 1 Way Switch 16A



F028101-GD
Dimmer Switch 630W



F026502-GY
Telephone Outlet + CAT 6 Outlet



F021642A-GY
4 Gang 2 Way Switch 16A



F028401A-GY
Switch Door Bell 16A



F022013A-20A-GY
Water Heater 20A



F024513-45A-GY
A/C Switch 45A



F025401-GY
Blank Plate



F021374A-BK
13A Socket



F021375A-BK
13A Double Socket



F0213785A-BK
13A Socket 2 USB



F023067-20A-BK
Key Card Switch 20A



F026201-BK
Telephone Outlet

شُمك فائق النفاة
4.2mm
Ultra-thin

BEYOND THIN

Thinplus & Thinplus Pro

30,000
Times of Plugging



30,000
مرة من التوصيل

60,000
Times On-Off



60,000
وصل/فصل

20W USB Fast
Charging Port

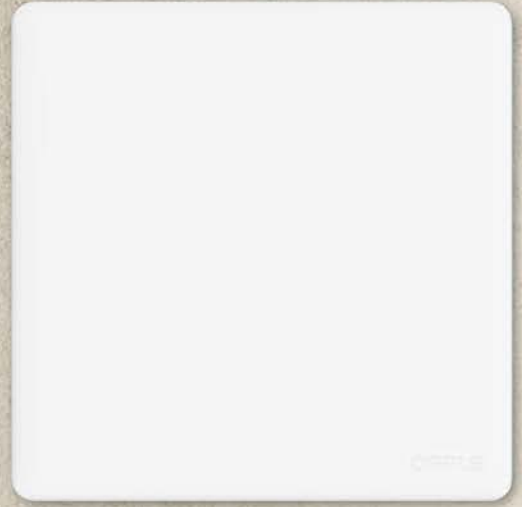


منفذ شحن سريع USB
بقوة 20 واط

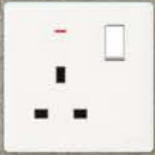
850°C
Anti-flaming



مقاومة لاشتعال حتى
850 درجة مئوية



معدل حماية يصل إلى
99.9%
Antibacterial Rate



FRESH WIND SERIES VENTILATION FAN

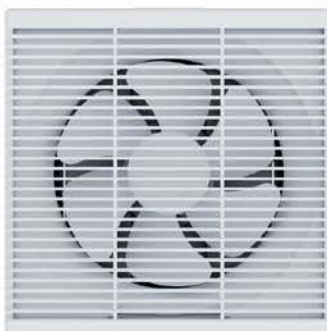
Strong exhausting ability

Less power consumed and noise

QF-APB15-3A / QF-APB30-6A
SIZE: (6", 8", 10", 12 inch)



QF-APB15-3H / QF-APB20-4H
SIZE: (6", 8", 10", 12 inch)



QF-BPT10-12A / QF-BPT10-34A
SIZE: (8", 10", 12 inch)



Wall Mount

Ceiling Mount



LED SPOTLIGHT U

Power: 7W
Lumens Output: 360/390/520/580/630lm
Cutout size: 75mm
Power Factor: 0.5
Lifetime: 25,000hrs
Key Feature: UGR19, high system efficacy



LED COB DOWNLIGHT ECOMAX G2

Power: 7W/10W/30W/40W
Lumens Output: 400/500/700/1410/2650/3900lm
Cutout size: 80/100/120/175/210/210mm
Power Factor: 0.70/0.70/0.70/0.85/0.95/0.95
Lifetime: 30,000hrs
Key Feature: Premium texture, high efficiency



LED DOWNLIGHT US PRO (3 IN 1)

Power: 6W/9W CCT
Lumens Output: 440/460/660/680lm
Cutout size: 70/100/125/150/200mm
Power Factor: 0.5
Lifetime: 20,000hrs
Key Feature: metal texture, uniform light colors



LED SLIM DOWNLIGHT ECOMAX II SM

Power: 6W/12W/18W/24W
Lumens Output: 450/1000/1500/2000lm
Cutout size: 140-150/200/200/200mm
Power Factor: 0.9
Lifetime: 30,000hrs
Key Feature: Integrated surface mounted installation



LED DOWNLIGHT US PRO SM-WH/BK

Power: 6W/14W/18W
Lumens Output: 420/1330/1710lm
Cutout size: 87/112/142mm
Power Factor: 0.5
Lifetime: 20,000hrs
Key Feature: Integrated surface mounted installation



LED SPOTLIGHT GRID US - SINGLE WH & BK

Power: 8W
Lumens Output: 600lm
Cutout size: 100mm x 100mm
Power Factor: 0.5
Lifetime: 20,000hrs
Key Feature: Adjustable recessed light, available in black and white body color.



LED SPOTLIGHT GRID US - DOUBLE BK & WH

Power: 2x 8W
Lumens Output: 1200lm
Cutout size: 100mm x 190mm
Power Factor: 0.5
Lifetime: 20,000hrs
Key Feature: Adjustable recessed light, available in black and white body color.



LED SPOT LIGHT RA US

Power: 6W
Lumens Output: 450lm
Cutout size: 70mm
Power Factor: 0.9
Lifetime: 20,000hrs



LED US DOWNLIGHT SLIM PANEL

Power: 4W/6W/12W/22W
Lumens Output: 250/450/1020/1870lm
Cutout size: 70/100/150/200mm
Power Factor: 0.9
Lifetime: 20,000hrs
Key Feature: IP44 for the surface part, Optical Material: PP



LED PANEL 30X120 SLIM IV

Power: 40W
Lumens Output: 4000lm
Cutout size: 1195 x 295
Power Factor: 0.95
Lifetime: 30,000hrs
Key Feature: Housing Material PC, IP44



LED SLIM PANEL ECOMAX III

Power: 72W
Lumens Output: 5760lm
Cutout size: 580*1180mm
Power Factor: 0.95
Lifetime: 30,000hrs
Key Feature: Ultra slim, flicker free, high efficacy: 100lm/W, MS diffuser add materials resistant to high temperature and Anti-UV.



LED LINEAR-U II OFFICE

Power: 20W
Lumens Output: 3300lm
Cutout size: 1200mm
Power Factor: 0.9
Lifetime: 30,000hrs
Key Feature: Excellent Performance: Higher Brightness, High Efficiency and High PF. Use surface mounted and recessed.



LED SLIM PANEL ECOMAX POWER III

Power: 40W
Lumens Output: 4000lm
Cutout size: 585*585/590*590/285*1185mm
Power Factor: 0.9
Lifetime: 30,000hrs
Key Feature: Slim and stylish design, only 9mm slim, high efficacy: 100lm/W



LED UTILITY LINEAR LIGHT

Power: 16W/32W
Lumens Output: 1500/3000lm
Power Factor: 0.9
Lifetime: 15,000hrs
Key Feature: Easier solution to save more, Plug-n-Play to simplify installation and replacement



LED WATERPROOF E3

Power: 36WU4/46W
Lumens Output: 5520lm
Length: 1260mm
Power Factor: 0.90
Lifetime: 50,000hrs
Key Feature: Efficacy up to 120lm/W, IP65, IK08
Emergency option available



LED BULKHEAD ECOMAX

Power: 6.5W/13W/20W/30W
Lumens Output: 650/1300/2000/3000lm
Power Factor: 0.90
Lifetime: 30,000hrs
Key Feature: IP65, IK08, high efficacy up to 100lm/W, surge protection up to 2.5KV



LED FAN LAMP WINDYS

Power: 136W (Lamp 90W/Fan 50W)
Lumens Output: 6000lm
Color temperature: 2700K+5700K
Material: Base: Steel, Cover: MS
Height: 366 mm
Diameter: Ø650 (Sweep Ø1320)



BLACK DIAMOND

Power: 14W
Rated Voltage: 220-240V
Material: Body: Metal, Cover: PVC
Height: 1200 mm
Diameter: Ø250



WHITE 4

Power: 13W/24W
Lumens Output: 1200/2000lm
Rated Voltage: 220-240V
Color temperature: 5700K
Lifetime: 15,000hrs
Height: 59 mm
Diameter: Ø400



GU10 SPOT LAMP

Power: 8W
Lumens Output: 760lm
Power Factor: 0.9
Lifetime: 20,000hrs
Key Feature: IP20, 220-240V, PC, GU10 HOLDER
BEAM ANGLE 36 D



LED ECOMAX STICK LAMP

Power: 9W, 12W, 13W, 15W, 18W
Lumens Output: 1450lm
Bulb Base: E27
Power Factor: >0.5
Lifetime: 20,000hrs
Key Feature: High efficacy: 100-113lm/W



LED FILA BULB E ST64/ST80

Power: 8W
Lumens Output: 1055lm
Bulb Base: A60
Power Factor: 0.5
Lifetime: 20,000hrs
Key Feature: CRI>80, No Blue Light, flicker free, IP20



LED ECOMAX T5 BATTEN

Power: 3.5W/7W/10.5W/14W
Lumens Output: 300/600/900/1200lm
Power Factor: 0.9
Lifetime: 20,000hrs
Key Feature: Plastic unibody design with integrated connector



LED ECOMAX T8 TUBE

Power: 9W/18W
Lumens Output: 900/1800lm
Power Factor: 0.9
Lifetime: 20,000hrs
Key Feature: Blue caps, high efficacy up to 100lm/W, long lifespan



LED ECOMAX HIGH POWER BULB

Power: 20W, 30W, 40W, 50W
Lumens Output: 1900, 3000, 4000, 5000lm
Power Factor: 0.9
Lifetime: 25,000hrs
Key Feature: IP20, 100-240V, PMMA Housing White



LED STRIPLIGHT GREEN/BLUE

Power: 8W
Lumens Output: 550lm
Power Factor: 0.9
Lifetime: 15,000hrs
Key Feature: Roll 50 meter, Green light, Blue light



LED STRIPLIGHT OUTDOOR

Power: 8W
Lumens Output: 400lm
Power Factor: 0.9
Lifetime: 15,000hrs
Key Feature: IP65, Roll 50 meter, color 6000k, 3000k



LED STRIPLIGHT RGB

Power: 3.5W up to 9W
IP: 20
Power Factor: 0.8
Lifetime: 20,000hrs
Key Feature: Roll 50meter, dimmable light, RGB Color by Remot control



LED STRIPLIGHT WF

Power: 10W/12W
Lumens Output: 750/1000lm
Power Factor: 0.9
Lifetime: 15,000hrs
Key Feature: Roll 50 meter, 3000K, 4000K, 6500K



LED ECOMAX2 DC 24V STRIP BARE/TUBE

Power: 6W DC 24V
Lumens Output: 650lm
Power Factor: 0.9
Lifetime: 25,000hrs
Key Feature: IP20, Roll 10 meter, 3000K, 4000K, 6500K



START MOTION SENSOR

Max load: 40W-LED product, 800W-Incandescent
Surface Mounted
Power Factor: 0.95
Key Feature: Dual in line package switch, automatic switching based on motion and light level, active motion detector with High Flux System 5.8Ghz through plastic, glass and thin non-metal materials.



LED BOLLARD E3 & LED WALL LIGHT E2

Power: 60W
Lumens Output: 480lm
Lamp Holder: E27
Key Feature: IP44 , 220-240V, Rustproof



LED OUTDOOR INGROUND E2

Power: 3W, 6W, 15W, 24W, 36W
Lumens Output: 210/480/1500/2300/3680/3700lm
Lifetime: 30,000hrs
Key Feature: IP67 , 100-240V



LED OUTDOOR BOLLARD LED BOLLARD PERFORMER

Power: 10W/15W
Lumens Output: 480/900lm
Power Factor: 0.9
Lifetime: 25,000/30,000hrs
Key Feature: IP54 , 100-240V, Wide applicable voltage, Flicker Free, Anti-glare, Easy Installation



LED TRACK LIGHT U III

Power: 10W/20/30w
Lumens Output: 720/1800/2600lm
Power Factor: 0.5/0.9
Lifetime: 20,000hrs
Key Feature: IP20 , housing color: white and black



LED Highbay ECOMAX E2

Power: 80W/100W/120W/150W/200W/240W
Lumens Output: 12000/15000/18000/22500/30000/36000lm
Power Factor: 0.95
Color Temperature: 5700K
Lifetime: 75,000hrs
Key Feature: IP65, Impact resistant, Wide Withstand Voltage, Up to 4KV Surge Protection



LED FLOODLIGHT EQ III

Power: 10W/20W/30W/50W/70W/100W/150W/200W
Lumens Output: 2700/4500/6300/9000/13500/18000lm
Power Factor: 0.95
Lifetime: 30,000hrs
Key Feature: IP66, IK08, bracket accessories maximum power to 200W



LED WALLLIGHT E

Power: 10W/20W
Color Temperature: 3000K/4000K
Lumens Output: 750/800/2000/2100lm
Power Factor: 0.9
Lifetime: 50,000hrs
Key Feature: Impact resistant, dustproof & waterproof, rustproof, soft Light



LED OUTDOOR DOWNLIGHT E

Power: 10W/15W/20W/30W
Lumens Output: 650/1000/1400/2000lm
Beam Angle : 40°
Lifetime: 50,000hrs
Key Feature: IP65, Rustproof, Soft Light



READER 2

Power: 10W
Lumens Output: 770lm
Lifetime: 20,000hrs
Material: ABS+PS

Ceiling Lamp & Panel
Wallsky



**PAINTING LIFE WITH
NATURAL LIGHT**



OPPLE SDL
Software Defined Lighting

Bring Natural Light Home





Model	MMS-BF211-D
Main Material	Aluminum Alloy
Colour	Black
Access Methods	Fingerprint, Password, Mechanical Key, RFID Card
Capacity	50 Fingerprints, 25 Passwords, 50 RFID Cards (optional)
Password Digits	6 to 12 Digits
Power Supply	DC6V, 4*1.5V AA batteries
Battery Lifespan	12 months
Emergency Power	Micro USB
Working Temperature	-10°C~+55°C
Working Humidity	10%~90%RH
Door Thickness	6068 (40~90mm)



Model	X6
Main Material	Aluminum Alloy
Colour	Gray
Access Methods	Fingerprint, Password, Mechanical Key, RFID Card
Capacity	50 Fingerprints, 25 Passwords, 50 RFID Cards (optional)
Password Digits	6 to 12 Digits
Power Supply	DC6V, 8*1.5V AA batteries
Battery Lifespan	12 months
Emergency Power	Type-C USB
Working Temperature	-10°C~+55°C
Working Humidity	10%~90%RH
Door Thickness	Automatic 6068 (40~90mm)



Switch & Socket T2 Series



STCKS11
1 Gang 1 Way Switch



STCKS21
2 Gang 1 Way Switch



STCKS31
3 Gang 1 Way Switch



STCKS41
4 Gang 1 Way Switch



STCKS13
Intermediate Switch



STCKDB
Doorbell Switch



STCKDP20
20A Switch with Neon



STCKDP45/N-1
45A Switch with Neon



STCDS
LED Dimmer Switch(630W)



STCETV
Satellite socket



STCKDP45-2
146 mm 45A



STCT/PC
Telephone+PC Socket



STCTEL
Telephone Socket



STC45C
45A connector



STCX
1Way Blank Plate



STC20C
20A connector



STC45C
45A connector



STCCK03
13A Switched Socket + Neon



STCCKB03/2
1 Gang 13A Switched Socket + Neon
Double Pole, without Neon



STCCB03
13A Socket



STCCKB03/2N-1
1 Gang 13A Switched Socket + Neon
Double Pole, without neon



STCCKB03UC/2N
13A Switched Socket + Neon
+TYPE C + USB



STCCK2B03
13A 2 Gang Switched Socket + Neon



STCCK2B03/2
2 Gang 13A Switched Socket + Neon
Double Pole, without Neon

30 YEARS
WARRANTY



High-Temperature
Resistance



Large space between
socket holes



Super slim
design



Child protection
design



Neon indicator



High structural
strength





LED A Bulb

- Illuminate anywhere you need with comfortable light
- Comfortable light design, no flicker
- Optimal heat management, up to 20Khrs lifetime
- 220-240V-/100-240V-,voltage is optional
- E27/B22/E14 lamp holder is optional
- CB certification & EMC
- 3000K/6500k/Red/Green/Blue is optional



LED Stick Lamp

- Optimized optical design
- Perfect for down light and slim luminaire application
- Optimal heat management, up to 20Khrs lifetime
- E27/B22 lamp holder is optional
- CE certification & EMC
- CCT:3000K/6500K is optional



LED Candle

- Ideal for use in chandeliers, easy to match fixture color
- >50% energy savings compared to conventional bulb
- Milk/Transparent body is optional
- E14 lamp holder, CE certification & EMC
- CCT:3000K/6500K is optional



LED GU10

- Easy to replace 35-75W halogen lamp
- Optimal heat management
- GU10/GU5.3 Lamp holder is optional
- Dimming is optional
- CE certification & EMC
- CCT:3000K/6500K is optional



LED Striplight

- LED soft strip, 12W , 220-240V, 50/60Hz, 3000K
- Use of high-strength and high-transparency plastic sleeves
- High quality LED chip, Over 80% lumen maintenance
- 220V mains power supply
- 3000K/4000K/6500K color temperature is optional



Soft Strip Driver

- for 12W



LED Slim Downlight

- Ultra-thin to 30mm, 2.5-6 inch is optional
- 85% lower energy consumption than CFL downlight
- Driver on board, excellent heat dissipation
- Over 20,000 hours lifespan
- CE certification & EMC
- CCT:3000K/6500K is optional



LED Slim Downlight Eco Recessed

- High efficiency, up to 95lm/W
- Ultra-thin design, height as low as 26mm
- Over 80% lumen maintenance after 15,000 hours
- Full range of cutting sizes
- CB and energy efficiency certification



LED Borderless Downlight Surfaced

- Minimalist extreme boardless design
- Multiple LED beads design scheme, no dark area
- All-plastic design, cost-effective
- Full range of lamp sizes, round or square is optional
- 3000K/4000K/6500K color temperature is optional
- CB and energy efficiency certification



LED Downlight Anti-glare

- Anti-glare design for eye protection
- Black or white light body is optional, silver or gray reflector is optional
- All-plastic design, cost-effective
- 3000K/4000K/6500K color temperature is optional



LED COB Downlight Surfaced

- Ultra-thin design with built-in LED Driver
- Better texture, finely granular surface
- Surface installation, 4-10 inch is optional
- PF>0.7/PF>0.5 is optional
- CB certification & EMC
- CCT:3000K/6500K is optional



LED COB Downlight

- COB LED, Comfortable and Efficient light
- Compact shape for shallow ceiling cavities
- Optimal heat management, Aluminum body
- High-performance nano reflector, 100lm/W
- Silver/white reflector is optional
- CCT:3000K/6500K is optional



LED Spotlight Anti-glare

- Anti-glare design for eye protection
- Over 80% lumen maintenance after 15,000 hours
- Type A is white body+silver reflector/Type B is white body+grey reflector/Type C is black body+grey reflector
- All-plastic design, cost-effective
- 3000K/4000K/6500K color temperature is optional



LED Spotlight Premium

- New designed optical lens and great COB LED
- Optimal heat management, Aluminum body
- Flicker free could reduce stress
- 20°/30° Beam angle is optional
- CB certification & EMC
- CCT:3000K/6500K is optional

LED Batten

- 10W, 18W
- High efficiency, up to 100lm/W
- Over 80% lumen maintenance after 15,000 hours
- 3000K/4000K/6500K color temperature is optional
- CB and energy efficiency certification



LED Panel Back-Lit

- Good luminous uniformity, high efficiency, up to 105lm/W
- Suitable for integrated ceiling with cutting size 585x585mm
- Embedded/surfaced installation is optional
- Aluminum frame design, high structural strength
- CB and energy efficiency certification





LED Ceiling Light IP40

- Minimalist design, excellent optical effect
- Flicker-free brings comfort to living environment
- IP40 protection
- CB & EMC certification
- 6500K-3000K-4000K 3 step CCT change



LED High-Bay Professional

- High efficiency, up to 130lm/W
- Broad range of power for different applications
- IP65 dustproof and waterproof rating, IK08 Impact Resistance Rating
- Multiple installation options, chain or rod mounting
- CB certification & EMC
- 6500K cool white color temperature



LED Flood Light

- >50% energy savings than traditional high-bay
- IP66 dustproof and waterproof rating
- Tempered glass design, IK06 Impact Resistance Rating
- CB certification



Linear Light

- 10W, 18W
- Magnetic
- 48V
- Black
- 3000K, 4000K



Grille Light

- 6W, 12W, 18W
- Magnetic
- 48V
- Black, 24°
- 3000K, 4000K



Grille Light Fold

- 9W, 18W
- Magnetic
- 48V
- Black, 24°
- 3000K, 4000K



Track Spot Light

- 7W, 12W
- Magnetic
- 48V
- Black, 24°
- 3000K, 4000K



Pendant Light

- Chandelier
- Magnetic
- 48V
- Black, 24°
- 4000K

Mounting Accessories



- RoHs
- Build-In Track
- 1.0m, 1.5m, 2.0m



- RoHs
- Hoisting Track
- 1.0m, 1.5m, 2.0m



- RoHs
- Build-In Track
- Vertical corner



- RoHs
- Build-In Track
- Horizontal corner



- RoHs
- Build-In Track
- Vertical Outside corner



- RoHs
- Hoisting/Surface Track
- Horizontal corner



- RoHs
- Hoisting/Surface Track
- Vertical Outside corner



- RoHs
- Hoisting/Surface Track
- Vertical corner

Connectors



- RoHs
- Magnetic
- Track connect
- MDL-MTR2.PJ-1



- RoHs
- Magnetic
- Track connect
- MDL-MTR2.PJ-2

Switches



HWDAL1G1B

16A 1 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL1G2B

16A 1 Gang 2 Way Switch
Box: 10
Carton: 100



HWDAL1G3B

16A 1 Gang Intermediate Switch
Box: 10
Carton: 100



HWDAL2G1B

16A 2 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL2G2B

16A 2 Gang 2 Way Switch
Box: 10
Carton: 100



HWDAL2G3B

16A 2 Gang Intermediate Switch
Box: 10
Carton: 100



HWDAL3G1B

16A 3 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL3G2B

16A 3 Gang 2 Way Switch
Box: 10
Carton: 100



HWDAL4G1B

16A 4 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL4G2B

16A 4 Gang 2 Way Switch
Box: 10
Carton: 100



HWDAL1G1S

10A 1 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL1G2S

10A 1 Gang 2 Way Switch
Box: 10
Carton: 100



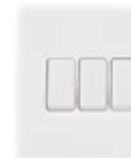
HWDAL2G1S

10A 2 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL2G2S

10A 2 Gang 2 Way Switch
Box: 10
Carton: 100



HWDAL3G1S

10A 3 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL3G2S

10A 3 Gang 2 Way Switch
Box: 10
Carton: 100



HWDAL4G1S

10A 4 Gang 1 Way Switch
Box: 10
Carton: 100



HWDAL4G2S

10A 4 Gang 2 Way Switch
Box: 10
Carton: 100



HWDALBSS

1 Gang Bell Push
Switch Small
Box: 10
Carton: 100



HWDALBSB

1 Gang Bell Push Switch
Box: 10
Carton: 100



HWDAL2BSB

2 Gang Bell Push Switch
Box: 10
Carton: 100



HWDALPB

1 Gang Push Button
Box: 10
Carton: 10



HWDAL2PB

2 Gang Push Button
Box: 10
Carton: 100



HWDAL20SS

1 Gang 20A DP Switch
with Indicator
Box: 10
Carton: 100

**HWDAL45S**

1 Gang 45A DP Switch
with Indicator
Box: 10
Carton: 100

**HWDAL45SL**

1 Gang 45A DP Large
Switch with Indicator
Box: 10
Carton: 100

**HWDALD5**

1 Gang Light Dimmer 500W
Box: 8
Carton: 80

**HWDALF5**

1 Gang CV Fan Dimmer 500W
Box: 8
Carton: 80

Sockets

**HWDAL13S**

1 Gang 13A
Unswitched Socket
Box: 10
Carton: 100

**HWDAL13SS**

1 Gang 13A Switched Socket
Box: 10
Carton: 100

**HWDAL13SSDP**

1 Gang 13A DP
Switched Socket
Box: 10
Carton: 100

**HWDAL13SN**

1 Gang 13A Switched
Socket with Indicator
Box: 10
Carton: 100

**HWDAL13SNDP**

1 Gang 13A DP Switched
Socket with Indicator
Box: 10
Carton: 100

**HWDALT13SS**

2 Gang 13A Switched Socket
Box: 5
Carton: 50

**HWDALT13SSDP**

2 Gang 13A DP
Switched Socket
Box: 5
Carton: 50

**HWDAL13SN**

2 Gang 13A Switched
Socket with Indicator
Box: 5
Carton: 50

**HWDALT13SNDP**

2 Gang 13A DP Switched
Socket with Indicator
Box: 5
Carton: 50

**HWDAL15SS**

1 Gang 15A
Switched Socket
Box: 10
Carton: 100

**HWDAL15SN**

1 Gang 15A Switched Socket
with Indicator
Box: 10
Carton: 100

**HWDAL3US**

3 Pin Socket
Box: 10
Carton: 100

**HWDAL3USS**

3 Pin MF Switched Socket
Box: 10
Carton: 100

**HWDAL3USN**

1 Gang 13A Universal
Switched Socket
Box: 10
Carton: 100

**HWDAL5US**

5 Pin Socket
Box: 10
Carton: 100



HWDAL5USS

5 Pin MF Switched Socket
Box: 10
Carton: 100



HWDAL5USN

5 Pin MF Switched Socket
with Neon
Box: 10
Carton: 100



HWDAL2USS

2 Gang Universal
Switched Socket
Box: 5
Carton: 50



HWDAL2USN

2 Gang Switched Universal
Socket with Neon
Box: 5
Carton: 50



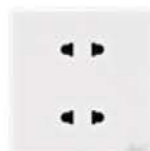
HWDALCCU

Cooker Control Unit with
13A Socket & Indicators
Box: 5
Carton: 50



HWDAL2PS

2 Pin Socket
Box: 10
Carton: 100



HWDAL22PS

4 Pin Socket
Box: 10
Carton: 100

Telecommunication Sockets



HWDALTV

1 Gang TV Socket
Box: 10
Carton: 100



HWDALTS

1 Gang Telephone Socket
Box: 10
Carton: 100



HWDALDS5

Single Computer Socket
Box: 10
Carton: 100



HWDALDS6

1 Gang Cat5 RJ45
Data Socket
Box: 10
Carton: 100



HWDALTVT

2 Gang Telephone
& TV Socket
Box: 10
Carton: 100



HWDALTVDS

2 Gang Cat5 Data & TV Socket
Box: 10
Carton: 100



HWDALTDS

2 Gang Telephone &
Cat 6 Data Socket
Box: 10
Carton: 100



HWDAL2T

2 Gang Telephone Socket
Box: 10
Carton: 100



HWDALSSF

1 Gang SAT Socket
Box: 10
Carton: 100



HWDALST

Satellite + Tel Socket
with 4 Protection
Box: 10
Carton: 100



HWDALSTV

2 Gang SAT & TV Socket
Box: 10
Carton: 100



HWDALSTVFM

3 Gang SAT & TV
& FM Socket
Box: 10
Carton: 100

**HWDALSFCU**

1 Gang 13A DP Switched
Cable Outlet with
Indicator & Fuse
Box: 20, Carton: 200

**HWDAL1BP**

1 Gang Blank Plate
Box: 10
Carton: 100

**HWDAL2BP**

2 Gang Blank Plate
Box: 10
Carton: 100

**HWDALVC**

1 Gang Sound &
Light Sensor with Fire
Emergency Load
Box:8, Carton: 80

**HWDALTD**

1 Gang Touch Delay Switch
with Fire Emergency Load
Box:8
Carton: 80

**HWDALHS**

1 Gang Infrared Sensor
with Fire Emergency Load
Box:8
Carton: 80

Selection Code

Range name

Functionality

Color

HWDAL**xxx****C****AL:** Altivo

You may replace XX codes by
functionality codes listed Below

Default: White**G:** Gold**M:** Metallic**D:** Dark grey**B:** Black

Color Selection



White



Gold



Metallic



Dark Grey



Black

GARDEN - WALL LIGHT



ROBY

Model No. T20.240.E27
Moulded Color: ●Black ●Grey
Diffuser PMMA: ○Opal ●Clear
Size: H=275 x W=260
Insulation Class II, IP55



GLOBE 300 MODERN

Model No. G31.240.E27
Moulded Color: ●Black ●Grey
Diffuser PMMA: ○Opal ●Clear
Size: H=380 x W=320
Insulation Class II, IP55



ECOBEPPE 400

Model No. EP5.254.D6K
Moulded Color: ●Black ●Grey
Diffuser PMMA: ○Opal ●Clear
Lamp Holder: GX53 CCT Set
Size: H=710 x W=420
Insulation Class II, IP55



GOLIA

Model No. Q23.131.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=450 x W=300
Insulation Class II, IP55



ANNA

Model No. E22.131.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=450 x W=275
Insulation Class II, IP55



SILOE

Model No. K35.132.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=630 x W=400
Insulation Class II, IP55



GLOBE 250 CLASSIC

Model No. G25.131.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=360 x W=300
Insulation Class II, IP55



MARY

Model No. Q18.131.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=430 x W=255
Insulation Class II, IP55



SABA

Model No. K22.131.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=460 x W=275
Insulation Class II, IP55



ELIA

Model No. Q43.171.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=910 x W=660
Insulation Class II, IP55



CEFA

Model No. U23.131.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=480 x W=300
Insulation Class II, IP55



SIMON

Model No. U35.132.D4K
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Lamp Holder: GX53 CCT Set
Size: H=660 x W=390
Insulation Class II, IP55

GARDEN - WALL LIGHT

**IOLE/SERGIO**

Model No. T33243AXQ1K
 Moulded Color: ●Black ●Grey ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=585 x W=390
 HIP 30W CCT LAMP
 Insulation Class II, IP55

**NARDO/GIAMPY**

Model No. H21240AX
 Moulded Color: ●Black ●Grey ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=315 x W=270
 E27, Insulation Class II, IP55

**NARDO/SANDRO**

Model No. H24240AX
 Moulded Color: ●Black ●Grey ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=365 x W=280
 E27, Insulation Class II, IP55

GARDEN - WALL POST

**MARY**

Model No. Q18.110.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=430 x W=255
 Insulation Class II, IP55

**DARIO**

Model No. T24.114.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=320 x W=240
 Insulation Class II, IP55

**GLOBE 250 MODERN**

Model No. G26.114.E27
 Moulded Color: ●Black ●Grey
 Diffuser PMMA: ○Opal ●Clear
 Size: H=350 x W=120
 Insulation Class II, IP55

**SALEM**

Model No. K26.111.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=500 x W=315
 Insulation Class II, IP55

**MAXIDISMA/SERGIO**

Model No. T33117AXQ1K
 Moulded Color: ●Black ●Grey ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=590 x W=330
 HIP 30W CCT LAMP
 Insulation Class II, IP55

**MIDIDISMA/SANDRO**

Model No. H24116AX
 Moulded Color: ●Black ●Grey ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=415 x W=240
 E27, Insulation Class II, IP55

**DISMA/GIAMPY**

Model No. H21114AX
 Moulded Color: ●Black ●Grey ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=330 x W=210
 E27, Insulation Class II, IP55

PENDANT



MARY

Model No. Q18.120.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=780 x W=180
Insulation Class II, IP55



GLOBE 300 CLASSIC

Model No. G30.120.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Smoked
Size: H=750 x W=300
Insulation Class II, IP55



ROBY

Model No. T20.125.E27
Moulded Color: ●Black ●Grey
Diffuser PMMA: ○Opal ●Clear
Size: H=700 x W=200
Insulation Class II, IP55



CEFA

Model No. U23.120.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=820 x W=230
Insulation Class II, IP55



GLOBE 250 MODERN

Model No. G26.125.E27
Moulded Color: ●Black ●Grey
Diffuser PMMA: ○Opal ●Clear
Size: H=755 x W=250
Insulation Class II, IP55



ANNA

Model No. E22.120.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal ●Clear
Size: H=800 x W=220
Insulation Class II, IP55

GARDEN - WALL POST

**GIAFFA/GIAMPY**

Model No. H21242AX
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=1000 x W=210
 E27, Insulation Class II, IP55

**ROBY**

Model No. T20.242.E27
 Moulded Color: ●Black ●Grey
 Diffuser PMMA: ○Opal ●Clear
 Size: H=945 x W=200
 Insulation Class II, IP55

**GLOBE 300 MODERN**

Model No. G31.242.E27
 Moulded Color: ●Black ●Grey
 Diffuser PMMA: ○Opal ●Clear
 Size: H=1050 x W=300
 Insulation Class II, IP55

**MARY**

Model No. Q18.151.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=1080 x W=180
 Insulation Class II, IP55

**GLOBE 300 CLASSIC**

Model No. G30.162.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=1000 x W=300
 Insulation Class II, IP55

**RUT**

Model No. E26.151.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=1150 x W=260
 Insulation Class II, IP55

**GOLIA**

Model No. Q23.151.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal ●Clear
 Size: H=1100 x W=230
 Insulation Class II, IP55

GARDEN - WALL LIGHT



ESTER

Model No. DS1.560.D1K
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear
Lamp Holder: GX53 CCT Set
Size: H=165 x W=126
Insulation Class II, IP55



AMELIA

Model No. DR2.570.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear
Size: H=165 x W=126
Insulation Class II, IP55



AMELIA - FS

Model No. DR2.571.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=340 x W=170
Insulation Class II, IP55



ELISA

Model No. DS2.560.D1K
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear
Lamp Holder: GX53 CCT Set
Size: H=165 x W=126
Insulation Class II, IP55



GIOVA/GERMANA

Model No. 2N1.702.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=280 x W=180
Insulation Class II, IP66



TOMMY

Model No. 2M1.000.D1K
Moulded Color: ●Black
Diffuser PMMA: ●Frosted
Lamp Holder: GX53 CCT Set
Size: H=165 x W=152
Insulation Class II, IP66

SPIKE



ESTER

Model No. DS1.561.D1K
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear
Lamp Holder: GX53 CCT Set
Size: H=175 x W=126
Insulation Class II, IP55



ELISA

Model No. DS2.561.D1K
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear
Lamp Holder: GX53 CCT Set
Size: H=175 x W=126
Insulation Class II, IP55



TOMMY

Model No. 2M2.001.D1K
Moulded Color: ●Black
Diffuser PMMA: ●Frosted
Lamp Holder: GX53 CCT Set
Size: H=340 x W=152
Insulation Class II, IP66

BOLLARDS

**AMELIA 400**

Model No. DR2.574.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal
 Size: H=400 x W=155
 Insulation Class II, IP55

**ESTER 500**

Model No. DS1.563.D1K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear
 Lamp Holder: GX53 CCT Set
 Size: H=480 x W=175
 Insulation Class II, IP55

**MINIPINELA 1L**

Model No. 2N1.612.010.D2K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal
 Lamp Holder: GX53 CCT Set
 Size: H=700 x W=320
 Insulation Class II, IP66

**ELISA 800**

Model No. DS2.564.D1K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear
 Lamp Holder: GX53 CCT Set
 Size: H=800 x W=175
 Insulation Class II, IP55

**ESTER 800**

Model No. DS1.564.D1K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear
 Lamp Holder: GX53 CCT Set
 Size: H=800 x W=175
 Insulation Class II, IP55

**STEVEN**

Model No. ST1.531.Z1R
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Frosted
 Lamp Holder: GU10 3000K
 Size: H=450 x W=130
 Insulation Class II, IP67

**PINELA 2L**

Model No. 2N1.613.020.D2K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal
 Lamp Holder: GX53 CCT Set
 Size: H=943 x W=370
 Insulation Class II, IP66

**PINA 2L**

Model No. 4P2.613.020.D4K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal
 Lamp Holder: GX53 CCT Set
 Size: H=1000 x W=520
 Insulation Class II, IP66

**GABRI/LUCIA 1L**

Model No. 1R3.613.X10.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal
 Size: H=1000 x W=325
 Insulation Class II, IP66

**SAURO 800**

Model No. D15.554.FC1.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear
 Size: H=800 x W=150
 Insulation Class II, IP55

**SAURO 1100 LED**

Model No. D15.555.D1K CRB
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Lamp Holder: GX53 CCT Set
 Size: H=1100 x W=150
 Insulation Class II, IP55

**MINIGABRI/LUCIA-GD 1L**

Model No. 3R3.612.010.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ○Opal
 Size: H=750 x W=300
 Insulation Class II, IP66

BULKHEAD



UMBERTA

Model No. 1B3.000.E28
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=350 x W=90
Insulation Class II, IP66



DANZI

Model No. 1D3.000.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=338 x W=245
Insulation Class II, IP66



GELMI-GR

Model No. 3G3.000.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=313 x W=90
Insulation Class II, IP66



LUCIA

Model No. 1R3.000.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=300 x W=90
Insulation Class II, IP66



STUCCHI

Model No. 1U3.000.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=310 x W=90
Insulation Class II, IP66



MADDI

Model No. 1V3.000.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ○Opal
Size: H=330 x W=230
Insulation Class II, IP66

DOWNLIGHT



LIVIA 160

Model No. 3A9.000.D1K
Moulded Color: ●Black ○White
Diffuser PMMA: ●Frosted
Lamp Holder: GX53 CCT Set
Size: H=100 x W=160
Insulation Class II, IP44



LIVIA 180

Model No. 4A9.000.Q1K
Moulded Color: ●Black ○White
Diffuser PMMA: ●Frosted
Size: H=220 x W=180
Insulation Class II, IP44



CECI 160-3L

Model No. 3F3.000.D1K
Moulded Color: ●Black
Diffuser PMMA: ●Frosted
Lamp Holder: GX53 CCT Set
Size: H=147 x W=160
Insulation Class II, IP67



CECI 160

Model No. 3F1.000.D1K
Moulded Color: ●Black
Diffuser PMMA: ●Frosted
Lamp Holder: GX53 CCT Set
Size: H=147 x W=160
Insulation Class II, IP67

UP LIGHT

MODERN REVIVAL

**VANNI 2500/SERGIO**

Model No. T33310AXQ1K
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=2840 x W=330
 HIP 30W CCT LAMP
 Insulation Class II, IP55

**EKTOR 3000/SERGIO 1L**

Model No. T33364A10AXQ1
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=3000 x W=670
 HIP 30W CCT LAMP
 Insulation Class II, IP55

**VANNI 2500 IOLE/SERGIO 2L**

Model No. T33310E20AXQ1
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=2940 x W=800
 HIP 60W CCT LAMP 30W*2
 Insulation Class II, IP55

URBAN CLASSIC

**NOEMI**

Model No. E35.202.R20.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=3070 x W=860
 Insulation Class II, IP55

**GIONA 500**

Model No. G50.225.N10.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=4660 x W=1185
 Insulation Class II, IP55

**SILOE**

Model No. K35.208.M30.E27
 Moulded Color: ●Black ○White
 Diffuser PMMA: ●Clear ○Opal
 Size: H=4120 x W=1230
 Insulation Class II, IP55

URBAN CLASSIC



TOBIA

Model No. Q33.202.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear ○Opal
Size: H=2960 x W=330
Insulation Class II, IP55



GLOBE 400

Model No. G40.205.M21.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear ○Opal
Size: H=3740 x W=1280
Insulation Class II, IP55



GOLIA

Model No. Q23.157.S30.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear ○Opal
Size: H=2430 x W=770
Insulation Class II, IP55



SIMON

Model No. U33.232.R30.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear ○Opal
Size: H=3600 x W=850
Insulation Class II, IP55



ELIA

Model No. Q43.229.N10.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear ○Opal
Size: H=5160 x W=1110
Insulation Class II, IP55



NOEMI

Model No. E35.205.R20.E27
Moulded Color: ●Black ○White
Diffuser PMMA: ●Clear ○Opal
Size: H=3570 x W=860
Insulation Class II, IP55



FELICE 800

Model No. FE1.575.S1K
Moulded Color: ○ Black ● White
Size: H=730 x W=220



FELICE 200

Model No. FE1.573.S1K
Moulded Color: ● Black ○ White
Size: H=180 x W=220



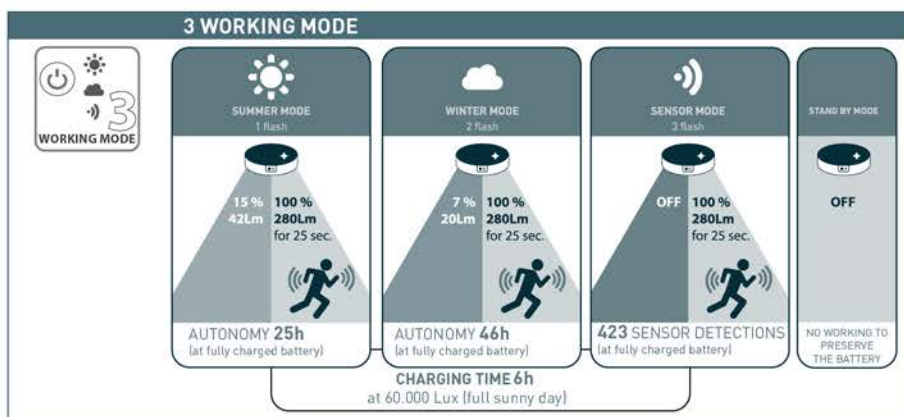
FELICE 400

Model No. FE1.574.S1K
Moulded Color: ● Black ○ White
Size: H=330 x W=220



FELICE 200 SPIKE

Model No. FE1.572.S1K
Moulded Color: ● Black ○ White
Size: H=360 x W=220



FORTUNATO

Model No. FO1.000.S1K
Moulded Color: ● Black ○ White
Size: H=40 x W=180



FIORINA

Model No. FI1.542.S1K
Moulded Color: ● Black ○ White
Size: H=560 x W=160



PORTABLE

noma

smart lighting
technology



M274-NOMA additional module

incl. LED 2.3W, 150lm
3.7V Li-ion Battery
1200mAh, Class III
IP44, CCT: from
2700K to 6500K + RGB,
LUTEC APP/Bluetooth MESH

noma

smart lighting
technology



M274-NOMA+BASE

incl. 2xLED 2.3W, 2x150lm
2x3.7V Li-ion Battery
1200mAh, Class III
IP44, CCT: from
2700K to 6500K + RGB
LUTEC APP/Bluetooth MESH

pepper

smart lighting
technology



M274-PEPPER

incl. LED 4.5W, 200lm, Class III
IP54, Clear Glass, CCT: from
2700K to 6500K + RGB
LUTEC APP/Bluetooth MESH

SOLAR

ginbo

integrated panel



M274-SS1

incl. LED 7W, Class III
500lm, IP44, Opal PC
2200mAh 3.7V Li-ion battery
CCT: from 2700K to 6500K
LUTEC APP/Bluetooth MESH

fran

integrated panel



M274-SSW2

incl. LED 9.7W, Class III
800lm, IP44, Opal PC
2200mAh 3.7V Li-ion battery
CCT: from 2700K to 6500K
LUTEC APP/Bluetooth MESH

karlo

integrated panel



M274-SS3

incl. LED 6.8W, Class III
500lm, IP44, Opal PC
2200mAh 3.7V Li-ion battery
CCT: from 2700K to 6500K
LUTEC APP/Bluetooth MESH

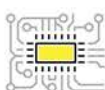
moze

integrated panel



M274-MOZE

incl. LED 8W, Class III
1000lm, IP44, Opal PC
1*1500mAh 3.7V Li-ion battery
CCT: 4000K



WALL & BOLLARD

cuba

smart lighting
technology



M274-SRW1

incl. LED 14W, Class I
1000lm, IP54, Opal PC
Die Cast Aluminum
CCT: 3000K

qubo

smart lighting
technology



M274-SB2

incl. LED 16.2W, Class I
1200lm, IP54, Opal PC
Die Cast Aluminum
CCT: from 2700K to 6500K + RGB
LUTEC APP/ Bluetooth MESH

qubo

smart lighting
technology



M274-SW2

incl. LED 15.2W, Class I
1200lm, IP54, Opal PC
Die Cast Aluminum
CCT: from 2700K to 6500K + RGB
LUTEC APP/Bluetooth MESH

eklips

movable



M274-5199001118

LED 13W, Class I
IP54, Opal PC
1000lm, 3000K
Aluminium+Synthetics

conroy

movable



M274-7207001118

LED 17.8W, Class I
IP44, Opal PC
1300lm, 3000K
Die-Cast Aluminium

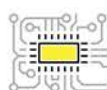
conroy

movable



M274-5107001118

LED 17.8W, Class I
IP44, Opal PC
1300lm, 3000K
Die-Cast Aluminium



WALL & CEILING

goleta

movable



M274-5205801012

LED 24.3W, Class I
IP44, Opal PC
1700lm, 3000K
Die-Cast Aluminium

kayah

new range



M274-6392202457

LED 16.5W, Class I
IP54, Opal PC
1250lm, 3000K
Die-Cast Aluminium

shyne

new range



M274-639WLC

E27 LED Max.25W, CLASS I
Matte Black, IP54
Die Cast Aluminium

cuba

movable



M274-1938

LED 24.4W, Class I
IP54, Opal PC
1000lm, 3000K
Die-Cast Aluminium

lotus

new range



M274-1932

LED 11W, Class I
IP54, Clear PC
500lm, 3000K
Die-Cast Aluminium

shyne

new range



M274-638WLC

E27 LED Max.25W, CLASS I
Matte Black, Clear Glass, IP54
Die Cast Aluminium

WALL LIGHT

looma

movable



M274-513WE27

E27 MAX. 25W, Dark Grey
CLASS I, IP54,
Die Cast Aluminum

moov

up and down



M274-513WLED

LED 6W, Dark Grey, CLASS I
IP54, 3000K, 600lm
Die Cast Aluminum

tubon

movable



M274-5198WLM

GU10 LED MAX 7W Class I
IP54 CLEAR GLASS
Die Cast Aluminum

stron

up and down



M274-5109WL

LED 9W, Diffuser Clear Glass
600lm, 3000K, IP54, Class I
Dark Grey, Die Cast Aluminum

rialto

moving light



M274-5287901012

LED 14.8W, Class I
IP44, Clear Glass
850lm, 3000K
Die-Cast Aluminium

gemini beams

moving light



M274-5104003012

LED 10W, Class I
IP54, Clear Glass
400lm, 3000K
Die-Cast Aluminium

looma

movable



M274-513DLED

LED 8W, Dark Grey, CLASS I
IP54, 800lm, 3000K
Die Cast Aluminum

looma

movable



M274-513UDLED

LED 8W, Dark Grey, CLASS I
IP54, 800lm, 3000K
Die Cast Aluminum

WALL LIGHT

helena

step light



M274-520-STL

10.2W, Dark Grey, Class I
IP54, Opal PC
800lm, 3000K
Heavy Duty Aluminium

helena

step light



M274-521STL

10.5W, Dark Grey, Class I
IP54, Opal PC
800lm, 3000K
Heavy Duty Aluminium

helena

step light



M274-522STL

4.5W, Dark Grey, Class I
IP54, Opal PC
200lm, 3000K
Heavy Duty Aluminium

lups

step light



M274-523STL

Integrated LED, 14W, Dark Grey
IP54, Opal PC, Class I
Heavy Duty Aluminium

gemini

up and down



M274-5189135118 (Wood Look)

M274-5189102118 (Dark Grey)

LED 10.5W, Class I
IP54, Clear Glass
700lm, 3000K
Die-Cast Aluminium

vidar

up and down



M274-5011602461

E27 Max. 40W, Class II
IP54, Clear PC
Metal

WALL LIGHT

modern range

LUTEC
connect



M274-1899

incl. 28 LED 12W, 3000K, Class I
IP54, Opal PC



M274-660B-3K

incl. 14 LED 8W, 3000K, Class I
IP54, Clear Glass



M274-6166

incl. 30 LED 8W, 3000K, Class I
IP54, Opal PC



M274-ST031051

incl. 8 LED 8W, 3000K, with Driver
Class I, IP44, Opal PC



M274-134B

Die-cast Aluminium Bulkhead
Opal PC, E27, MAX 60W, CLASS I
IP54, W:249/EXT:135/H:120
GS/CE Approval



M274-XR20

incl. 10 LED, 12W, 3000K
with Driver, Class I, IP54, 300lm



M274-ST1

incl. LED 12W, 600lm
Class I, IP54, Opal PC
CCT: 3000K



M274-891M

incl. 16 LED 18.5W, 3000K
with Driver, Class I, IP54
Clear Glass, 1230lm



M274-894

incl. 12 LED, 15W, 3000K
with Driver, Class I, IP54
Opal PC, 650lm



M274-1890M

incl. 12 LED 19.5W, 3000K
with Driver, Class I, IP54
Clear Glass



M274-853B
E27, 18W CFL, w/o bulb
Class I, IP44, Opal PC



M274-MW1
incl. LED 14W, 1000lm
Class I, IP54, Opal PC
CCT: 3000K



M274-2402S
incl. LED 21W, 1600lm
Class I, IP54, Opal PC
CCT: 3000K



M274-214WL
Aluminum Wall Lantern
Opal Frost PC, E27, MAX 14W PLC
Class I, IP44, W:160/EXT:99/H:160



M274-RW2
incl. LED 20W, 1500lm
Class I, IP54, Opal PC
CCT: 3000K



M274-014ST
Stainless Steel Wall Lantern, E27
Max 40W, Class I, W:116/H:376mm
GS/CE Approval, IP44, Opal PC



M274-036ST
Stainless Steel Wall Lantern
E27, Max 40W, w/o bulb
Class I, IP44, Opal PC



M274-2602
incl. 14 LED, 9W, 3000K
Class I, IP44, Clear PC



M274-2601
incl. 14 LED, 9W, 3000K, Class I
IP44, Clear PC



M274-3301
E27 60W, w/o bulb
Class I, IP54, Opal PC

WALL LIGHT

modern range

LUTEC
connect



M274-ST031081

incl. 14 LED, 3.8W, 3000K
Class I, IP44, Opal PC inside
Clear PC



M274-2401S

Heavy-duty aluminium
Wall Light, incl. 5 LED 7W, 3000K
Class I, IP44, Opal PC



M274-015B

Die-cast Aluminium Wall Lamp
Opal Glass, E27, MAX 60W, CLASS I
IP44, W:98/EXT:151/H:168



M274-014B

Die-cast Aluminium Wall Lamp
Opal Glass, E27, MAX 60W
CLASS I, IP44



M274-512ST

Stainless Steel Wall Light
incl. 8 LED 8W, 3000K, with Driver
Class I, IP44, Crystal Glass, 660lm



M274-ST5108LED

Stainless Steel Wall Light
incl. 10 LED 11.5W, 3000K
Class I, IP44, Clear PC



M274-1401L

E27, Max 100W, w/o bulb
Class I, IP44, Clear PC



M274-1402

E27, Max 60W, w/o bulb
Class I, IP44, Clear PC



M274-0121b

Die-cast Aluminium Wall Lamp
Clear PC Diffuser, E27, Max 100W
Class I, IP44, W:245/EXT:355/H:442
CE/GS Approval



M274-0031B

Die-cast Aluminium Wall Lamp Up
Clear Glass Diffuser, E27, Max 100W
Class I, W:231/EXT:268/H:430
CE/GS Approval, IP44



M274-1404L

E27, Max 100W, w/o bulb
Class I, IP44, Clear PC



M274-0011B

Die-cast Aluminium Standing Lantern
Clear Glass Diffuser, E27, Max 100W
Class I, IP44, W:231/H:486, CE/GS Approval



M274-2604

incl. 14 LED, 9W, 3000K, Class I
IP44, Clear PC



M274-7042A

incl. 5 LED 8W, 3000K, Class I, IP67
Tempered Glass, with IP68, connector
and 1.6m cable, 580lm



M274-7008-A-LED COB

incl. 1 COB LED, 35W, 3000K, with Driver
Class I, IP67, Tempered Glass
beam angel 24°, with 60cm cable



M274-7048

incl. 12 LED, 11.5W, 3000K, Class I, IP67
Tempered Glass, with IP68 connector
and 1.6m cable



M274-8091

incl. 5 LED, 8W, 3000K, class I, IP54
With 0.5 m cable, with spike, clear Glass



M274-RM1

Remote control with infrared and
Bluetooth MESH functions



M274-GW1

The gateway device



M274-055B
E27, Max 100W, w/o bulb
Class I, IP44, Opal PC
H/650 mm



M274-056B
E27, Max 100W, w/o bulb
Class I, IP44, Opal PC
H/1100 mm



M274-012ST
Stainless Steel Standing
Lantern, Opal PC, E27
Max 40W, Class I, IP44
W:131/H:450mm
GS/CE Approval



M274-013ST
Stainless Steel Standing
Lantern, Opal PC, E27
Max 40W, Class I, IP44
W:131/H:1100mm
GS/CE Approval



M274-6167
incl. 30 LED, 8W, 3000K
Class I, IP54, Opal PC



M274-ST031052-450
incl. 8 LED, 8W, 3000K
with Driver, Class I
IP44, Opal PC



M274-11402LH
E27, Max 100W, w/o bulb
Class I, IP44, Clear PC



M274-12603H4
incl. 14 LED, 9W, 3000K
Class I, IP44, Clear PC



M274-713BE27
E27 Max.25W, Class I
IP54, Dark Grey
w:100mm x h:700mm



M274-721BL
E27 LED Max.25W, Class I
IP54, Clear Glass, Matte Black
w:100mm x h:700mm



M274-1938B
incl. LED 23W, 1000lm, Class I
IP54, Opal PC, CCT: 3000K



M274-MB1
incl. LED 14W, 1000lm
Class I, IP54, Opal PC
CCT: 3000K



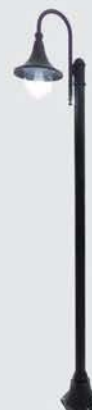
M274-0142B

Die-cast Aluminium three head
Pole Lantern, Clear PC Diffuser, 3*E27
Max 100W, Class I, IP44, H/2200 mm



M274-0141B

Die-cast Aluminium two head
Pole Lantern Clear PC Diffuser, 2*E27
Max 100W, Class I, IP44, H/2200 mm



M274-0131B

Die-cast Aluminium single head
Pole Lantern Clear PC Diffuser, E27
Max 100W, Class I, IP44, H/2200 mm



M274-11191XL-A1-3-1H

Die-cast Aluminium Single head
Pole, 150W, IP44, Class I, H:3310



M274-21191XL-A1-3-2H

Die-cast Aluminium Two head
Pole, 150W*2, IP44, Class I
H:3310mm



M274-21191XL-A1-4-2H

Die-cast Aluminium Two head
Pole, 150W*2, IP44, Class I
H:4000mm



M274-11191XL-A1-4-1H

Die-cast Aluminium Single head
Pole, 150W, IP44, Class I
H:4000mm



M274-31191XL-A1-3-3H

Die-cast Aluminium Three head
Pole, 150W, IP44, Class I
H:3310mm

SWITCH BOX

Technical Specifications

Application
Residential, Commercial and Industrial Building
General Specifications
Standard: SASO GSO-BS4662
General Features
Ribbed Finish Ensures Strong Structure
Material Hot-Dipped Galvanized Steel Sheet (Corrosion Resistant)
Thickness
0.9 mm
Dimensions
W: 72 mm, L: 72 mm, D: 35 mm
W: 132 mm, L: 72 mm, D: 35 mm
W: 72 mm, L: 72 mm, D: 47 mm
W: 132 mm, L: 72 mm, D: 47 mm



Available Varieties

Dimensions: (W: 72 mm, L: 72 mm, D: 35 mm)

Model No.	Description	Accessory
DS707	One Modules without Earth	w/o Earth
DS707E	One Modules with Earth	with Earth
DS7072	Two Modules without Earth	w/o Earth
DS7072E	Two Modules with Earth	
DS7073	Three Modules without Earth	w/o Earth
DS7073E	Three Modules with Earth	
DS7074	Four Modules without Earth	w/o Earth
DS7074E	Four Modules without Earth	

Dimensions: (W: 132 mm, L: 72 mm, D: 35 mm)

Model No.	Description	Accessory
DS714	7 x 14 without Earth	w/o Earth
DS714E	7 x 14 with Earth	with Earth

Dimensions: (W: 72 mm, L: 72 mm, D: 35 mm)

Model No.	Description	Accessory
DS707D	One Modules without Earth (DEEP)	w/o Earth
DS707DE	One Modules with Earth (DEEP)	with Earth
DS707DEA	One Modules without Earth + Adjustable Lug (DEEP)	with Earth + Adjustable Lug
DS707D2	Two Modules without Earth (DEEP)	w/o Earth
DS707D2E	Two Modules with Earth (DEEP)	with Earth
DS707D2EA	Two Modules without Earth + Adjustable Lug (DEEP)	with Earth + Adjustable Lug
DS707D3	Three Modules without Earth (DEEP)	w/o Earth
DS707D3E	Three Modules with Earth (DEEP)	with Earth
DS707D3EA	Three Modules without Earth + Adjustable Lug (DEEP)	with Earth + Adjustable Lug
DS707D4	Four Modules without Earth (DEEP)	w/o Earth
DS707D4E	Four Modules with Earth (DEEP)	with Earth
DS707D4EA	Four Modules without Earth + Adjustable Lug (DEEP)	with Earth + Adjustable Lug

Dimensions: (W: 132 mm, L: 72 mm, D: 47 mm)

Model No.	Description	Accessory
DS714D	7 x 14 without Earth (DEEP)	w/o Earth
DS714DE	7 x 14 with Earth (DEEP)	with Earth
DS714DEA	7 x 14 without Earth + Adjustable Lug (DEEP)	with Earth + Adjustable Lug

Technical Specifications

Application
For the protection of electrical wiring.
Features
Made of hot-dip galvanized steel strip with extra-smooth surface and highly adherent zin coating.
ZINC surfaces protected inside and outside b film of resin-based overcoating.
Easier to cut, easier to bend, easier to pull.
Dimensionall accurate. Uniform quality all around.
UL Certificate Number: E502446
Made in Vietnam

ANSI C80.3

PREZING ELECTRICAL METALLIC TUBING (EMT)

- Made to ANSI Specification C 80.3
- Supplied in Plain Ends and without Coupling

Model No.	Nominal size	Outside Diameter		Nominal Wall Thickness		Length		Minimum Weight per 100 feet		Calculated Weight			Number of Lengths in Standard Packing	
	in.	in.	mm	in.	mm	ft	mm	lb	kg	lb/ft	kg/ft	kg/m	per Bundle	per Lift
MED012	½	0.706	17.93	0.042	1.067	10	3,048	28.5	12.93	0.298	0.135	0.443	15	300
MED034	¾	0.922	23.42	0.049	1.245	10	3,048	43.5	19.73	0.457	0.207	0.680	10	200
MED100	1	1.163	29.54	0.057	1.448	10	3,048	64	29.03	0.673	0.305	1.00	7	140
MED114	1¼	1.510	38.35	0.065	1.651	10	3,048	95	43.09	1.00	0.455	1.49	5	100
MED112	1½	1.740	44.20	0.065	1.651	10	3,048	110	49.90	1.16	0.527	1.73	3	60
MED200	2	2.197	55.80	0.065	1.651	10	3,048	140	63.50	1.48	0.671	2.20	2	40



Available Varieties

EMT Set Screw Connectors, Zinc Die Cast, Non-Insulated, To Terminate EMT Pipe to Box

Size (Inch)	Model No.	Qty/Carton Box
1/2"	MSSCN-050	500 pieces
3/4"	MSSCN-075	500 pieces
1"	MSSCN-100	250 pieces



EMT Set Screw Couplers, Zinc Die Cast, To Couple two ends of EMT Pipes

Size (Inch)	Model No.	Qty/Carton Box
1/2"	MSSCP-050	500 pieces
3/4"	MSSCP-075	500 pieces
1"	MSSCP-100	250 pieces



EMT One Hole Strap, Electro-Galvanized

Size (Inch)	Model No.	Thickness (mm)	Qty/Carton Box
1/2"	MOSP-050	1.50	1000 pieces
3/4"	MOSP-075	1.50	1000 pieces
1"	MOSP-100	1.80	500 pieces



EMT Two Hole Strap, Electro-Galvanized

Size (Inch)	Model No.	Thickness (mm)	Qty/Carton Box
1/2"	MTSP-050	0.80	1000 pieces
3/4"	MTSP-075	0.80	1000 pieces
1"	MTSP-100	0.80	500 pieces



Straight Squeeze Connect for Flexible Conduit Zinc Die Cast

Size (Inch)	Model No.	Qty/Carton Box
1/2"	DSSC-050	500 pieces
3/4"	DSSC-075	500 pieces
1"	DSSC-100	250 pieces



Technical Specifications

Application
For the protection of electrical wiring.
Features (Conduit Pipe)
Made of pre-galvanized steel strip.
Easier to cut, easier to bend, easier to pull.
Features (Flexible Conduit)
Made of pre-galvanized steel strip.
Easier to cut for any needs.

Available Varieties

EMT Equivalent Conduit

Model No.	Size (Inch)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Pcs/Bundle
MEMT-050P	1/2"	17.93	1.07	2900	20
MEMT-050P	3/4"	23.42	1.24	2900	10
MEMT-050P	1"	29.54	1.45	2900	10

Flexible Conduit

Model No.	Size (Inch)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)
MGFC-050	1/2"	21.50	19.00	30m/Roll
MGFC-075	3/4"	26.00	23.00	30m/Roll
MGFC-100	1"	31.00	28.00	30m/Roll



Fig.: With Straight Squeeze Connector



MADE IN CHINA

PVC TAPE 1300



Characteristics

- Suitable for electrical insulation, binding color coding and general work
- High temperature and high voltage resistance.
- Effectively protects your electrical wires

Features

- Available in wide range of sizes and colors.
- Compliant ROHS 1.0
- Working temperature: 0°C to 80°C
- Compatible with voltage <600V

Specifications

Category	Detail
Thickness	0.13mm
Width x Length	19mm x 20m
Elongation	180%
Adhesive Strength	
Adhesion to steel	170 N/m
Adhesion to backing	180 N/m
Tensile strength	2.6 KN/m
Temperature rating	0°C to 80°C
Dielectric Breakdown Voltage	5.0 kV

Line Up

Item	Model No.	Color
	DK113BLK	BLACK
	DK113WHT	WHITE
	DK113RED	RED
	DK113BLU	BLUE
	DK113GRN	GREEN
	DK113YEL	YELLOW
	DK113BRO	BROWN
	DK113YG	YELLOW GREEN

Installation Techniques

The tape should be applied in half-lapped layers with sufficient tension to conform and produce a uniform covering. In most applications, this tension will reduce the tape's width to approximately 60% of its original width. Apply the tape with no tension on the last wrap to prevent flagging.

Shelf life and Storage

PVC Tape 1300 has a 2-year shelf life from date of manufacture when stored in a normal temperature with ventilated place.



Molded Case Circuit Breakers



Formula Series

A compact molded-case circuit breaker line designed for reliable over-current protection in commercial and industrial installations. Delivers space-savings, easy installation, and dependable performance for standard applications.



Tmax XT

A high-performance molded-case circuit breaker family offering extensive current ratings, advanced electronic trip units, and connectivity features—ideal for demanding industrial applications and smart electrical distribution systems.



Emax2

ABB's advanced air circuit breaker platform for main-distribution and large loads, combining flexible frame sizes, digital protection/monitoring, draw-out configurations, and power-management integration for critical infrastructure.

Miniature Circuit Breakers



SJ200

Entry-level miniature circuit breakers, designed for basic overcurrent protection in residential and light-commercial installations, with compact size and straightforward installation.



SH200

Premium miniature circuit breakers offering clearer fault indication, quick isolation and easy DIN-rail mounting—suited for higher-quality residential and small-commercial applications.



S200

High-performance miniature circuit breaker family with enhanced breaking capacities, multiple trip curves, and broad accessory compatibility—ideal for commercial and light-industrial electrical installations.

Distribution Boards

Mini Center

A modular range of compact consumer/distribution boards designed for residential and commercial installations. Offers flush or surface mounting, a variety of ways/rows configurations, strong busbar ratings, and safe, flexible installation.



Styler

Built for modern homes and light commercial settings, the Styler line provides a complete, easy-to-install solution with integrated protection devices. Designed for aesthetic appeal, space-saving installation and compliance with global standards.



Residual Current Devices

Residual Current Circuit Breaker

F200

Residual current circuit breakers (RCCBs) designed for dependable earth-leakage protection in residential and commercial installations, offering high selectivity and clear indication in a compact DIN-rail format.



FH200

Advanced residual current circuit breakers providing extended sensitivity options, 2-pole or 4-pole configurations, and flexible installation for demanding environments, ensuring reliable leakage-current detection and system safety.



Residual Current Circuit Breaker with Overcurrent

DSE200

Advanced RCBO family offering the same dual-protection functionality as DS200, with extended features such as higher breaking capacity, wider current range, and enhanced selectivity—well suited for demanding electrical systems.



RD3

Advanced residual current relays integrating protection and monitoring functions (in accordance with IEC/EN 60947-2 Annex M). Offers adjustable sensitivity and time delay, pre-alarm and fail-safe features, for higher-level installations in commercial or industrial systems.



Residual Current Relays

RD2

Compact DIN-rail residual current monitors designed for leakage current detection. Ideal for measuring and signalling residual currents via external toroidal transformers in residential or light commercial installations.



Multi-Function Meters

M1M 10

M1M 10 is a VAF meter for basic electrical system monitoring, providing the measurement of Voltage, Current, Frequency and On Hours.



M1M 12

M1M 12 is a multi-function meter for complete electrical system monitoring, providing the measurement of: Active Energy, Active Power, Power Factor, Voltage, Current, Frequency, On Hours and Load Hours.



Pilot Devices



Modular Plastic Range

A versatile selection of operators with high levels of flexibility and a broad choice of electrical ratings. Find the perfect solution for almost every application.



Modular Metal Range

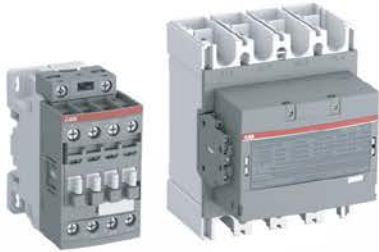
ABB's modular metal range combines ultimate reliability with the total flexibility of a modular range. For mining, construction and heavy industry applications, find the right solution here.



Compact Range (All-in-one solution)

The most efficient solution available, reducing installation time and cost. The compact range have the highest level of dust and water resistance on the market.

Control Products



AF Contactors

Heavy-duty contactors designed for motor and power switching applications, offering reliable performance, wide control-voltage flexibility, and modular accessory options for various industrial loads.



Thermal Overload Relays

Protection devices that safeguard motors from sustained overloads and phase loss by using thermally-sensitive elements; adjustable settings make them suitable for matching specific motor full load conditions.



Time Relays

DIN-rail mounted electronic timers offering a wide range of timing functions—from seconds to hours—with compact housings, flexible triggering options, and wide voltage compatibility for automation, control panels, and building systems.



AX Contactors

The AX series contactors deliver a compact, space-saving design for motor-starting applications with high reliability and performance. Built to handle up to ~370 A and ~200 kW at 400 V AC-3, they support Type-1 and Type-2 coordination with short-circuit protection devices and are compatible with a wide range of accessories and overload relays.



Electronic Overload Relays

Advanced motor protection relays that combine overload, phase failure, imbalance and other functions; they offer high accuracy, adjustable class settings, and seamless integration into modern control systems.



Monitoring Relays

Intelligent devices that continuously monitor electrical or system parameters (such as voltage, current, phase loss, temperature, insulation) and provide alarm or trip outputs when preset thresholds are exceeded—enabling early detection of faults and improved system reliability.



Manual Motor Starters

Compact, combined switch-and-protection units that allow manual ON/OFF control of motors while providing built-in overload and short-circuit protection—ideal for motor circuits in industrial and commercial installations.



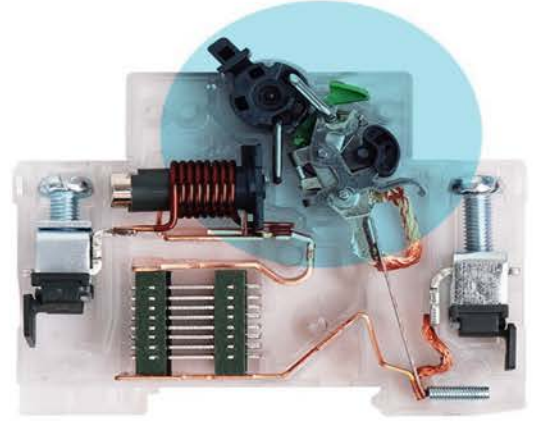
الحماية - الأمان - الراحة

Miniature Circuit Breaker from Panasonic

MCB (10KA)

قواطع من شركة باناسونيك

قواطع الدائرة الكهربائية (10KA)

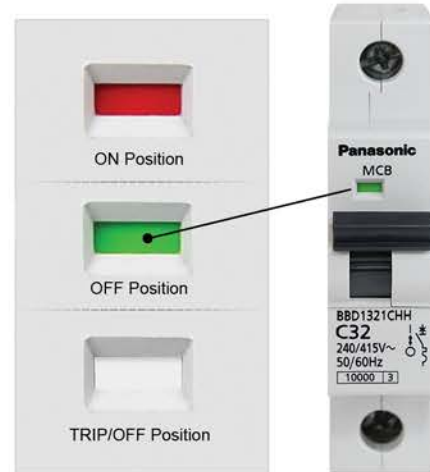


Three Level Indicator

PANASONIC MCB is having Three Level Indication to identify clear ON, OFF and Trip Position, the trip position helps user to identify fault circuit

من مميزات قاطع باناسونيك أنه يوجد به ثلاث مستويات (مؤشر) لتحديد حالة القاطع أثناء التشغيل

- في حالة التوصيل يظهر المؤشر باللون الأحمر شكل رقم (١)
- في حالة الفصل اليدوي يظهر المؤشر باللون الأخضر شكل رقم (٢)
- في حالة الفصل المفاجئ بسبب زيادة الحمل أو بتلامس احد الفارات يظهر المؤشر باللون الأبيض شكل رقم (٣)



Technical Data

الخصائص الفنية :

Short-circuit Capacity	(10KA)	سعة دائرة القص
Tripping Characteristics	B,C and D	خصائص الإغلاق
Poles	1P, 1+N, 2P, 3P, 3+N, 4P	الأقطاب
Rated Current	6, 10 , 16, 20, 25, 32, 40, 50, 63	قدرات القواطع
Rated Voltage	240/415 V	معدل الجهد الكهربائي
Frequency	50/60 Hz	التردد
Ambient Temperature	10°C To 60°C	درجة حرارة التشغيل
Terminal Connection	25 SQ.mm	أحجام الأسلاك
Electrical Endurance	8'000	عدد مرات التشغيل
Mechanica Endurance	2000v for 1 min	ميكانيكية التحمل
Mounting	35mm symmetrical DIN rail (EN 50022-DIN 46277)	طريقة التركيب
Standards	EN 60898, KEMA	العايير والقياسات

القواطع الرئيسية

Moulded Case Circuit Breakers(MCCB)

Fixed Thermal Range

Moulded Case Circuit Breakers
From 60 A To 250 A (Fixed Type)

Frame size (A)	مقاس القاطع	100 AF	250 AF
Type	النوع		
Number of poles	عدد الأقطاب	3	3
Ratings	المعدلات		
Rated current, A	معدلات التيارات بالأمبير	63	150
Calibrated at 50°C	معايرة درجة الحرارة 50 درجة	100	200
			250

Rated insulation voltage [U] V AC	معدل عزل الجهد بالفولت	690	800
Rated impulse withstand voltage [U _{imp}] kV	معدل نبضات الجهد بالكيلو فولت	6	8

Rated breaking capacity, KA	درجة تحمل تيار القصير بالكيلو أمبير		
IEC60947-2	AC	690V	—
I _{cu} /I _{cs} (sym)		525V	7.5/3.8
		440V	10/5
		415V	10/5
		380V	16/8
		240V	25/13
① DC		250V	7.5/3.8
		125V	15/7.5

External dimensions, mm	قياسات الأبعاد الخارجية		
a		75	105
b		130	165
c		68	68
d		87	95

Weight (⊙ marked standard type) kg 0.74 1.5

Connections and Mountings	التوصيلات و الحوامل		
Front-connected (FC)	التوصيل من الأمام	⊙	⊙
Terminal screws	البراغي		
With straight extension bars	مع قضبان النحاس المستقيمة للتوصيل	—	○
With spread extension bars	مع قضبان النحاس الممتدة للتوصيل	—	○
Cable clamps	رؤوس الكابلات	○	○
Rear-connected (RC)	مزدودة ببراعي كبيرة	○	○
Bolt studs	مزدودة بقضيب نحاسي للتوصيل	○	○
Flat bar studs	التوصيل من الخلف		

Standard specifications	المواصفات القياسية		
Overcurrent trip mechanism	آلية الفصل عند التيار الزائد	Thermal-magnetic①	Thermal-magnetic
Trip button (color)	لون زر الفلق الكهر بائي	Yes (Red)	Yes (Red)
Handle position indication (ON: Red, OFF: Green)	توضيح وضع (التفيل لأمور الفلق أخضر)	Yes	Yes
Suitability for isolation	مدى صلاحية العزل	Non	Yes
CE marking	مسجلة طبقا للمواصفات الأوروبية	Yes	Yes

Operation	التشغيل		
Endurance	قدرة التحمل	5,000	5,000
Electrical	الكهربائية	10,000	10,000
Mechanical	والميكانيكية		

القواطع الثابتة

قواطع الدائرة الكهربائية الرئيسية (MCCB)
من ٦٠ أمبير الى ٢٥٠ أمبير (ثابت)

BBC3100YH1



BBC3150YH1



BBC3250YH1



لوحات التوزيع الفرعية مع قواطع باناسونيك (حساس)

Load Center with Panasonic Breaker Range (Isolator from 63A to 100A) Main



Protection - Safety - Comfort

الحماية - الأمان - الراحة



DIMENSIONS:

3 PHASE LOAD CENTRE WITH ISOLATOR AND MCB MAIN

WAYS	H	h	W	w	D
12	505	465	415	375	105
18	570	530	415	375	105
24	570	530	415	375	105
30	645	605	415	375	105
36	730	690	415	375	105
42	730	690	415	375	105

Technical characteristics

Item	Description
Standard	IEC 61439-3
Bus Bar Specs	Tin plate copper bus bar to prevent corrosion.
Enclosure Material	GI Steel with polyester coating, provides high corrosion resistance.
Steel Thickness	Start from 1mm.
Enclosure color	Polyester Powder coated in RAL- 1013 Beige color.
Degree of protection	IP 40
Rated insulation Voltage	800V AC

لوحات التوزيع الفرعية مع قواطع باناسونيك (حساس)

**Load Center with Panasonic Breaker
Range (MCCB from 63A to 100A) Main**



Protection - Safety - Comfort

الحماية - الأمان - الراحة



DIMENSIONS:

3 PHASE LOAD CENTRE WITH 63-100AT MAIN

WAYS	H	h	W	w	D
12	570	530	415	375	105
18	645	605	415	375	105
24	645	605	415	375	105
30	730	690	415	375	105
36	810	770	415	375	105
42	810	770	415	375	105
48	890	850	415	375	105

Technical characteristics

Item	Description
Standard	IEC 61439-3
Bus Bar Specs	Tin plate copper bus bar to prevent corrosion.
Enclosure Material	GI Steel with polyester coating, provides high corrosion resistance.
Steel Thickness	Start from 1mm.
Enclosure color	Polyester Powder coated in RAL- 1013 Beige color.
Degree of protection	IP 40
Rated insulation Voltage	800V AC

لوحات التوزيع الفرعية مع قواطع بانا سونيك (حساس) Load Center with Panasonic Breaker Range (MCCB from 150A to 250A) Main



Protection - Safety - Comfort
الحماية - الأمان - الراحة

DIMENSIONS:

3 PHASE LOAD CENTRE WITH 150-250AT MAIN

WAYS	H	h	W	w	D
12	645	605	415	375	105
18	730	690	415	375	105
24	730	690	415	375	105
30	810	770	415	375	105
36	890	850	415	375	105
42	890	850	415	375	105
48	940	900	415	375	105

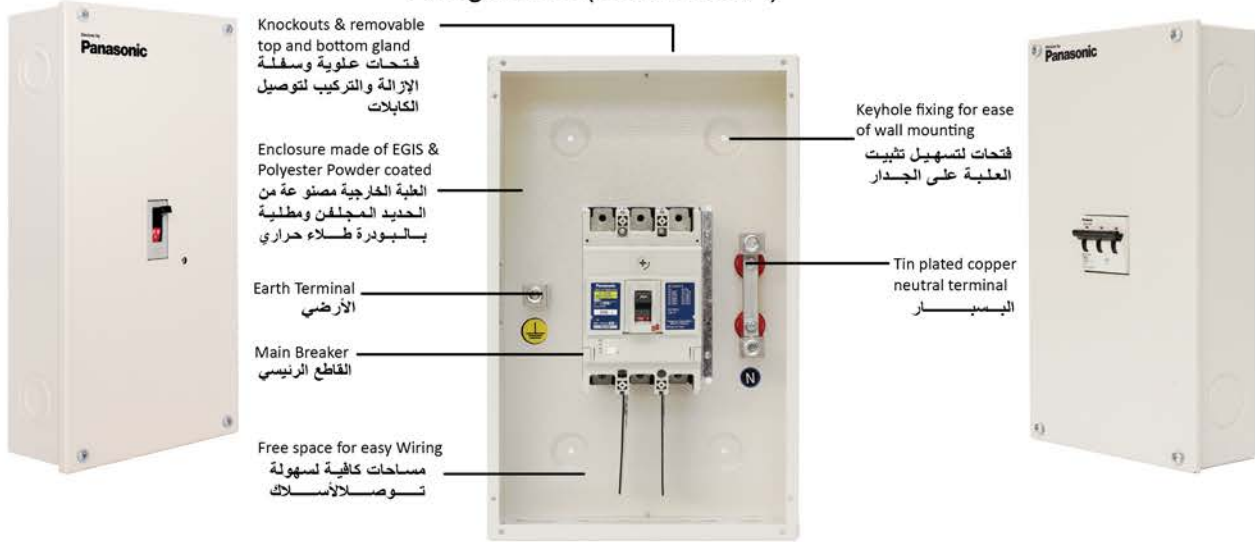
Technical characteristics

Item	Description
Standard	IEC 61439-3
Bus Bar Specs	Tin plate copper bus bar to prevent corrosion.
Enclosure Material	GI Steel with polyester coating, provides high corrosion resistance.
Steel Thickness	Start from 1 mm.
Enclosure color	Polyester Powder coated in RAL-1013 Beige color.
Degree of protection	IP 40
Rated insulation Voltage	800V AC

CIRCUIT BREAKER ENCLOSURES

قواطع الدائرة الكهربائية بالعربة

Range from (63A to 250A)



Technical Information

المواصفات الفنية

Item	Description
Standard	IEC 61439-3
Bus Bar Specs	Tin plate copper bus bar to prevent corrosion.
Rated Voltage	230V/240~, 400V/415~
Degree of protection	IP 40
Enclosure Material	GI Steel with polyster coating, provides high corrosion resistance.
Steel Thickness	Start from 1mm.
Enclosure color	Polyester Powder coated in RAL 1013 Beige color
Paint thickness	From 60 - 80 Microns
Main Breaker	MCB and MCCB from 63A to 250A
Rated Insulation Voltage	800V AC
Ambient Temperature	50° C
Frequency	50/60Hz

OUTDOOR CIRCUIT BREAKER ENCLOSURES قاطع مع العربة مطري

COMES IN IP65 ENCLOSURE

POLYESTER POWDER COATING FINISH WITH RAL 7035 SMALL TEX GREY COLOR

DOOR IS PROVIDED WITH THE EARTH CABLE

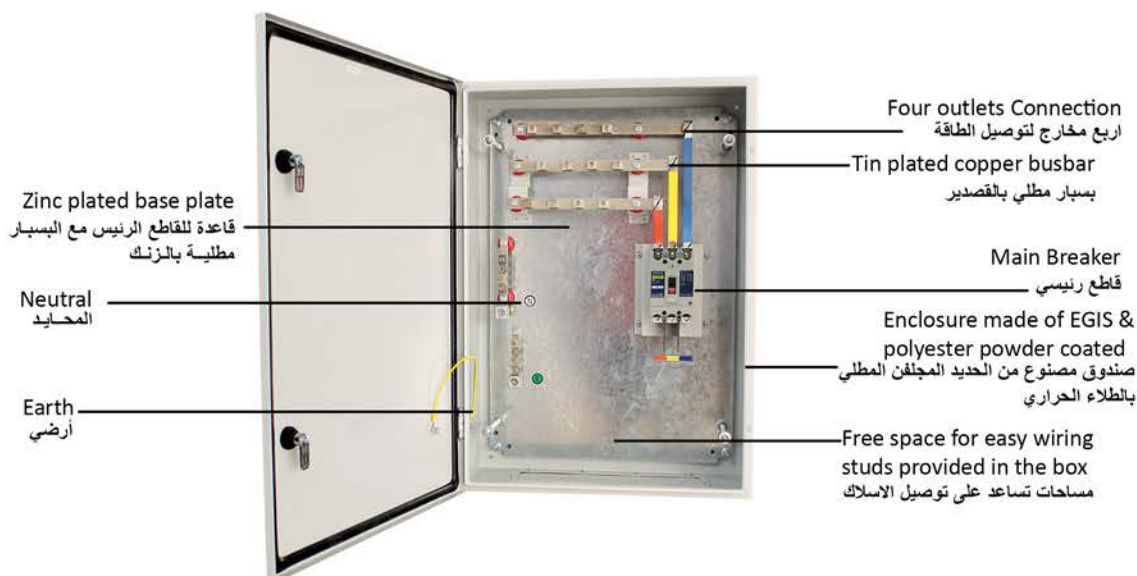
AVAILABLE FROM 63A TO 250A

RECTANGULAR LUGS ARE PROVIDED FOR EASY CABLING

SAFETY COVER TO AVOID ACCIDENTAL CONTACT



BUSBAR CHAMBER صندوق الخدمة متعدد المخارج Range from (63A to 250A)



General Information

Service boxes made from electro galvanized steel sheet with polyester coating.

Polyester powder coating RAL- 7035

Small Tex Grey Color

Provided with neutrals and earth terminal (made by brass)

Provided with safety cover to avoid accidental contact

Bus bar system made from pure Copper 99.9%, with tin plated

معلومات عامة

صندوق مصنوع من الحديد المجلفن المطلي بالطلاء الحراري

درجة لون الطلاء (رمادي RAL-7035)

مزود بالأرضي والمحايد (مصنوع من البراس)

مزود بغطاء داخلي للأمان.

البسبار مصنوع من النحاس بنسبة ٩٩.٩ % المطلي بالقصدير ١.٥ امبير في كل ملم

Technical Information

Item	Description
Rated Voltage	230V/240~, 400V/415~
Rated Insulation Voltage	800V AC
Frequency	50/60Hz
Ambient Temperature	50° C
Standard	IEC 61439 - 3
Degree of protection	IP 65

المواصفات الفنية





VERTICAL BUSBAR TYPE:

SINGLE INCOMER/ DUAL INCOMER	3P ISOLATOR/4P RCCB/ 3P ISOLATOR+4P RCCB INCOMER			250AF MCCB INCOMER		
	w	D	h	w	D	h
12	400	117	440	400	140	660
18	400	117	545	400	140	660
24	400	117	545	400	140	710
30	400	117	660	400	140	760
36	400	117	660	400	140	830
42	400	117	710	400	140	950
48	400	117	760	400	140	950
54	400	117	830	400	140	950

FLUSH TOTAL WIDTH AND HEIGHT WITH COVER
SURFACE TOTAL WIDTH AND HEIGHT WITH COVER

25+w=W 25+h=H
17+w=W 17+h=H

SPLIT BUSBAR TYPE:

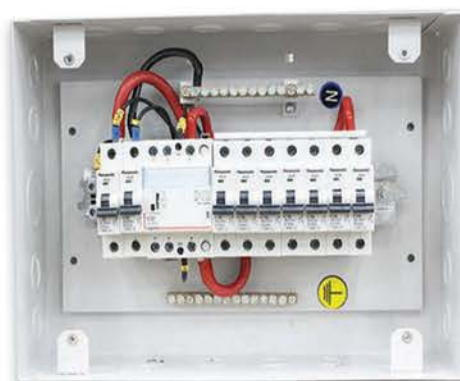
No OF SPLIT WAYS	3P ISOLATOR+4P RCCB(2 INCOMER)		
	w	D	h
6+6	400	117	545
6+12	400	117	545
12+12	400	117	660
12+18	400	117	660
12+24	400	117	710
18+18	400	117	710
12+30	400	117	760
18+24	400	117	760
12+36	400	117	830
18+30	400	117	830
18+36	400	117	830



Hotel Room Load Center لوحات الفنادق الفرعية

AVAILABLE
NOW!

SAVE
ENERGY



CARD SWITCH



Technical characteristics

Item	Description
Standard	IEC 61439-3
Bus Bar Specs	Tin plate copper bus bar to prevent corrosion.
Enclosure Material	GI Steel with polyester coating, provides high corrosion resistance.
Steel Thickness	Start from 1.mm.
Encloure color	Polyester Powder coated in RAL- 7035+7031
Degree of protection	IP 40

لوحات خاصة للمشاريع



PACKAGE SUBSTATION



STREET LIGHT
SUBSTATION



UNIT SUBSTATION



LIGHTING SUBSTATION



ATS PANEL

الحماية الأمان الراحة
Protection Safety Comfort



PROJECTS



HERFY TOWER



KINGDOM TOWER



HUMAN RIGHTS TOWER



AL FARDAN TOWER



ELEGANCE TOWER



OTHAIM MALL



MARRIOTT HOTEL



FOUR SEASONS HOTEL



INTERCONTINENTAL HOTEL



NOVOTEL HOTEL



AL HAMRA HOTEL



ANJUM HOTEL

PROJECTS



SAAB BANK



SAUDI INVESTMENT BANK



ALAWAL BANK



SAMBA BANK



AL RAJHI BANK



ANB BANK



HERFY FOODS FACTORY



PUBLIC INVESTMENT FUND



NATIONAL WATER COMPANY



ALI BIN ALI HOSPITAL



KING KHALID INTERNATIONAL AIRPORT



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Al Manara

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