

Schneider Electric

Retail Catalogue

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Life Is On Schneider Electric



Schneider Electric – Life is On: Our Promise

The change in our world is more profound than ever, driven by a new scale and speed of urbanization, digitization, and industrialization. New technologies, enabling for the first time distributed and connected energy, challenge us to redefine the way we live our lives.

We invent technologies that will transform the places where we live, work, and play. With our ingenious design philosophy, we deliver solutions that integrate seamlessly to our environment, supporting the rhythm of our lives, empowering people to do more with less.

As the global leader in energy management and automation, we provide connected technologies that will reshape industries, transform cities, and enrich lives.

At Schneider Electric, we call this Life Is On.

Jean-Pascal Tricoire

Chairman & Chief Executive Officer Schneider Electric

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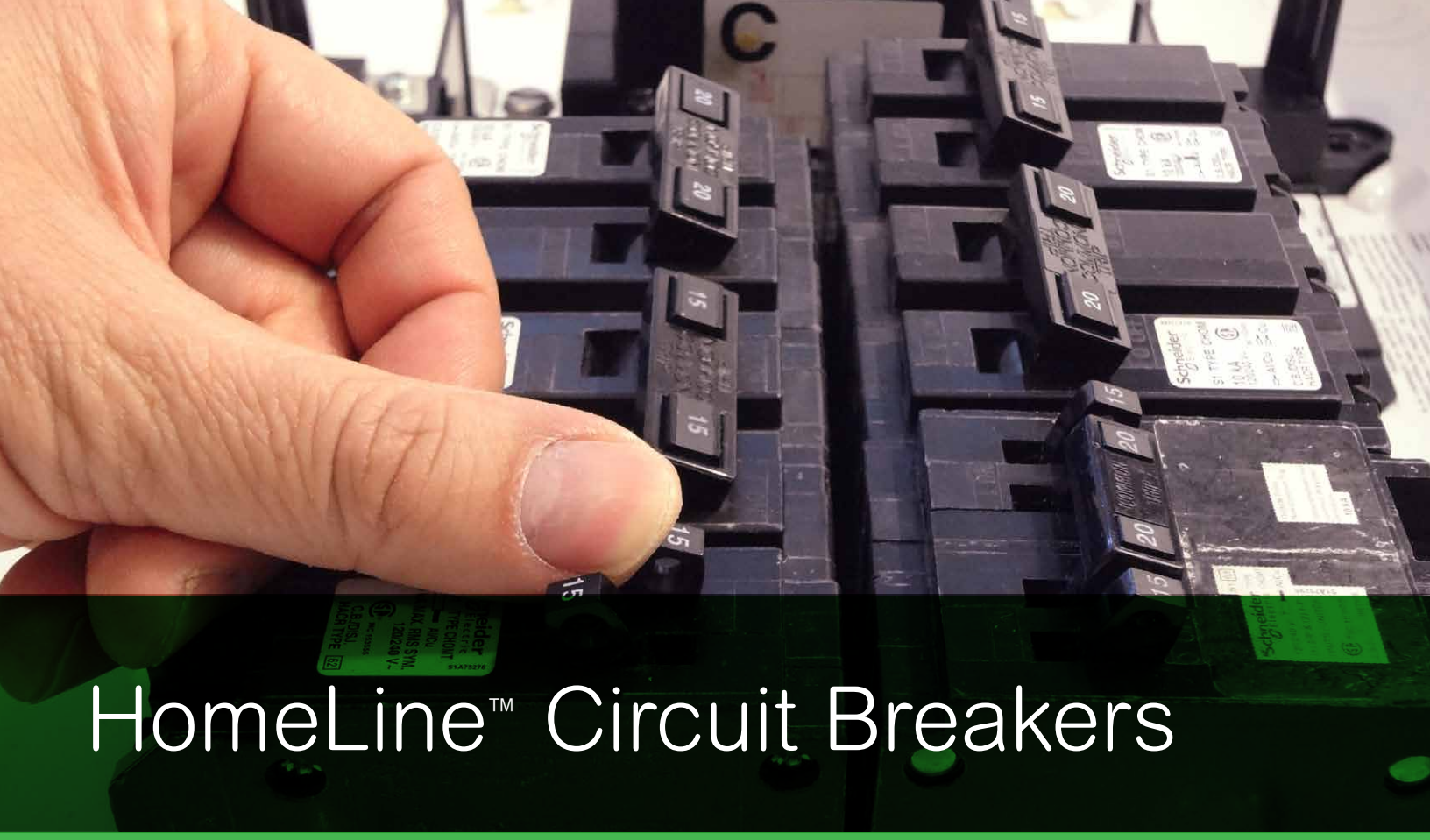
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HomeLine™ Circuit Breakers

Unsurpassed Qwik-Open Protection

Canadian HomeLine™ circuit breakers provide the high level of protection you expect from Schneider Electric. The industry's best value in circuit protection in a one inch wide industry-standard format for one-pole circuit breakers. HomeLine™ breakers feature Qwik-Open™ circuit breakers, which give homeowners reliable, fast acting circuit protection, a full range of breakers including tandem and quad breakers and the unique limited lifetime warranty.

HomeLine™ circuit breakers are designed exclusively for the residential market.

HomeLine™ Circuit Breaker Features:

- Provide overload and short circuit protection.
- Accepts Al/Cu conductors.
- Accepts 60/75°C wire up to 40 A, 75°C wire over 40 A.
- CSA listed for HACR.
  (Heating, air-conditioning and refrigeration equipment).
- Standard – 1" per pole
  - Twin – ½" per pole
  - Quad – ½" per pole
- SWD (switching duty) rated for 1" 15 A and 20 A breakers. Suitable for switching 120 Vac fluorescent lighting loads.
- CSA approved to only install in Canadian HomeLine™ loadcentres.
- Exclusive Qwik-Open™ protection is standard on all 15 A and 20 A circuit breakers—trip reaction within 1/60th of a second.
- Limited Lifetime Warranty.

Circuit Breaker Product Selection

Circuit Breaker Selection - 10,000 AIR

Amp Rating	One Pole 120 Vac	Lug Range	Two Pole 240 Vac	Lug Range
15 A	**CHOM115CP❶**	#14-#8	**CHOM215CP**	#14-#8
20 A	**CHOM120CP❶**	#14-#8	**CHOM220CP**	#14-#8
30 A	**CHOM130CP**	#14-#8	**CHOM230CP**	#14-#8
40 A			**CHOM240CP**	#8-#2
50 A			**CHOM250CP**	#8-#2
60 A			**CHOM260CP**	#8-#2
100 A			**CHOM2100CP**	#4-2/0
150 A			**CHOM2150BB**	#4-300mcm
200 A			**CHOM2200BB**	#4-300mcm

❶SWD - Suitable for switching 120 Vac fluorescent lighting loads.

All CHOM 1 & 2 pole breakers CSA listed as HACR type for use with air conditioning, heating and refrigeration.



HomeLine™
One Pole Breaker
1 Space Required



HomeLine™
Two Pole Breaker
2 Spaces Required



HomeLine™
Two Pole Breaker 200A
4 Spaces Required

FAST FACTS

What is Power?
Power is the rate of doing work measured in Watts.
Watts=Volts x Amps
1 HP = 746 Watts

Circuit Breaker Product Selection

Tandem and quad space saver circuit breakers are ideal for adding additional circuits to an existing HomeLine™ panel with limited space.

Tandem (Space Saver) Circuit Breaker Selection - 10,000 AIR

Amp Rating	2 x 1-pole 120Vac 1 Space Required	Lug Range
15 A & 15 A	**CHOMT1515CP**	#14-#8
20 A & 20 A	**CHOMT2020CP**	#14-#8



HomeLine™
Tandem Breaker
1 Space Required

Quad (Space Saver) Circuit Breaker Selection - 10,000 AIR

Amp Rating 1 Pole	Amp Rating 2 Pole	2 One Pole, 1 Two Pole 120/240 Vac	Lug Range
15 A	15 A	**CHOMT1515215CP**	#14-#8
15 A	20 A	**CHOMT1515220CP**	#14-#8
15 A	30 A	**CHOMT1515230CP**	#14 - #8
15 A	40 A	**CHOMT1515240CP**	#6 - #12 Al / #6 - #14 Cu

Quad breakers have two single pole outer circuits, and one double pole inner circuit with common trip.



HomeLine™
Quad Breaker
2 Spaces Required

All CHOM 1 & 2 pole breakers are CSA listed as HACR type for use with air conditioning, heating and refrigeration.



GFCI Product Selection

The HomeLine™ Ground Fault Circuit interrupter (GFCI) protects people against electrical shocks. GFCI protection is required in wet or damp areas such as bathrooms, kitchens, garages, spas, pools and outdoor receptacles.

HomeLine™ Ground Fault Breaker Features:

- Provides overload, short circuit and Class A GFI 5mA protection.
- Limited Lifetime Warranty.
- CSA approved to only install in Canadian HomeLine™ loadcentres.



HomeLine™
One Pole GFI Breaker
1 Space Required

GFCI Breakers Selection - 10,000 AIR

Amp Rating	One Pole 120 Vac	Two Pole Common Trip 240 Vac
15 A	**CHOM115GFI**	**CHOM215GFI**
20 A	**CHOM120GFI**	**CHOM220GFI**
30 A		**CHOM230GFI**
40 A		**CHOM240GFI**
50 A		**CHOM250GFI**

HomeLine™ Combination Arc Fault and Dual Function Circuit Breakers

Featuring exclusive digital technology, the HomeLine™ Combination Arc Fault Interrupter (CAFI) detects overloads, short circuits and arc-faults. The CAFI technology stops the flow of current when an arc fault is detected to significantly reduce the risk of an electrical fire.

Effective in 2015 the Canadian Electrical Code requires Combination Arc Fault breaker (CAFI) to be installed on most circuits supplying receptacles rated 125Vac max, 15A and 20A. Refer the current CEC for more information.

HomeLine™ Dual Function (DF) circuit breakers combine combination arc fault and ground fault protection in a single device. These breakers meet the Canadian Electrical Code requirements for arc fault protection and offer (Class A - people protection) ground fault protection.

This unique combination saves space in the panel and installation time for the homeowner or contractor, replacing the arc fault breaker and a ground fault receptacle combination.

HomeLine™ CAFI and DF Circuit Breaker Features:

- CAFI - detects unintended arc faults, overloads and short circuits.
- DF - detects unintended arc faults, ground faults, overloads and short circuits
- Push-to-test button
- Plug-on neutral (new construction) or pig-tail (renovation) designs.
- TIME SAVER diagnostics feature that assists in identifying the type of fault in a circuit.

Function	Amperage	Plug-on Neutral Type		Pig-Tail Type	
		1-Pole	2-Pole	1-Pole	2-Pole
CAFI	15A	CHOM115PCAFI	--	CHOM115CAFI	CHOM215CAFI
CAFI	20A	CHOM120PCAFI	--	CHOM120CAFI	CHOM220CAFI
DF	15A	CHOM115PDF	--	CHOM115DF	--
DF	20A	CHOM120PDF	--	CHOM120DF	--







HomeLine™ Hot Tub/Pool/Spa Package

Schneider Electric offers a metal enclosure hot tub/pool/spa electrical protection line, the HomeLine™ Hot Tub/Pool/Spa Pack. This pack includes a HomeLine outdoor metallic loadcentre and an installed 50 A ground fault circuit interrupter.

Along with many other features and benefits, the CHOM250GFI 2-pole ground fault circuit breaker protects 2-pole loads against ground and overcurrent faults. The loadcentre and GFCI breaker provide protection for outdoor circuits such as hot tubs, fountains, swimming pools or spas.

Spa Package Features:

- 50A HomeLine™ 2-pole QWIK-GARD® ground fault circuit breaker (CHOM250GFI) installed in loadcentre CHOM24L70RB protects 120 V and 240 V loads against ground and overcurrent faults.
- Designed for applications up to 50 A 120/240 Vac single-phase and 3-wire with ground.
- Painted, zinc-coated steel outdoor enclosure.
- Top-hinged cover can be padlocked.
- 10,000 A short-circuit current interrupting rating.
- Easy-to-remove steel interior trim.
- CSA certified.
- Ideal for indoor or outdoor applications.
- Warranty: 10 years on enclosure, lifetime of the device on the GFCI when used in a residential installation.



50 A Hot Tub/Pool/Spa Package

Spa Package Selection (1 Phase, 3 Wire, 120/240 Vac)

Amp Rating	Catalogue Number	Weight (lbs.)	Box Dimensions					
			Height		Width		Depth	
			Inches	mm	Inches	mm	Inches	mm
50 A	**CHOME250SPA**	6.22	9.36	237	4.88	124	4.00	102

Plug-on Neutral Whole House Surge Protection

Designed to work exclusively on HomeLine Plug-on Neutral loadcentres, this surge protector is the quickest and easiest to install whole house sure protector. Simply find two empty spaces in a HomeLine loadcentre and connect to the busbar and neutral bar. There is nothing to replace or reset on this device.

It provides electrical whole house surge protection for sensitive electronics, and reduce surges that might otherwise overwhelm plug strips and damage connected household equipment. Provides surge protection for important items such as washers, dryers, refrigerators, stoves, and lighting that plug strips don't protect.

Features:

- For use on only new HomeLine loadcentres with Plug-on neutral bars.
- 2 Pole Plug-on design is easy and quick to install.
- Green status LED indicates operational status.
- Modes of protection - 3.
- Fusing - individually fused MOVs.
- cULus Listed per UL 1449 Type 1 SPD, CSA C22.2 No. 269.1, C233.1
- Surge Current Rating per Phase 50,000A.
- Short Circuit Current Rating 22,000A.
- 5 year/$50,000 connected equipment warranty.



CHOM250PSPD

Catalogue Number	Modes of Protection	MCOV	VPR	
			L-N	L-L
CHOM250PSPD	3	150VL-N, 300V L-L	500V	900V

Surgebreaker Surge Protective Devices

The Homeline Surge breaker Surge Protective Device is designed as a quick plug-on unit for use in Homeline load centers. The SPD requires 2 pole spaces. This unit has 22,500 Amp Maximum Surge Capacity and has a 150 Vac line-to-ground maximum providing protection from electrical surges.

Features:

- Easy plug-on installation for HomeLine loadcentres.
- LED indicates operational status.
- Designed to protect electrical service and "major household appliances" excluding electronic devices.
- 3 year/$10,000 connected equipment warranty.



CHOM2175SB

Catalogue Number	Modes of Protection	MCOV	SCCR	SCR
CHOM2175SB	3	150V	22.5kA	22kA

HomeLine™ Main Circuit Breakers

Standard 22,000/10,000 ampere series short circuit current rating on main breaker panels provides increased application capability. Main breakers are bolt-on for all residential service entrance loadcentres.

HomeLine™ Main Breaker Features:

- Provides option for padlock in “OFF” position.
- Bolt-on main breaker for HomeLine™ service entrance panels.

Bolt-on Main Breaker Selection

Ampere Rating	Part Number	kAIC	Lug Range	Frame Size
30 A	**QOM30L**	10	#12-2/0	QOM1
40 A	**QOM40L**	10	#12-2/0	QOM1
50 A	**QOM50VHL**	22	#12-2/0	QOM1
60 A	**QOM60VHL**	22	#12-2/0	QOM1
70 A	**QOM70VHL**	22	#12-2/0	QOM1
80 A	**QOM80VHL**	22	#12-2/0	QOM1
100 A	**QOM100VHL**	22	#12-2/0	QOM1
125 A	**QOM125VHL**	22	#12-2/0	QOM1
100 A	**QOM2100VHL**	22	#4-300mcm	QOM2
125 A	**QOM2125VHL**	22	#4-300mcm	QOM2
150 A	**QOM2150VHL**	22	#4-300mcm	QOM2
200 A	**QOM2200VHL**	22	#4-300mcm	QOM2
225 A	**QOM2225VHL**	22	#4-300mcm	QOM2

Main Breakers include factory installed handle padlock attachment (padlock QOM main circuit breaker in the ‘off’ position).



QOM1 Frame Size Main Breaker



QOM2 Frame Size Main Breaker

Circuit Breaker Wire Sizes

Wire Size (AWG)			
Breaker Type	**Ampere Rating**	**Aluminum**	**Copper**
CHOM 1 Pole	15-30	#14-8	(2) #14-10
	45-50	#8-2	#8-2
CHOM 2 Pole	15-30	#14-8	#14-8 or (2) #14-10
	35-70	#8-2	#8-2
	80-125	#4-2/0	#4-2/0
CHOM Tandem and Quad	15-30	#14-8	#14-8
CHOM GFI - 1P	15-20	#14-10	#14-10
CHOM GFI - 2P	15-50	#12-4	#14-6



HomeLine™ Circuit Breaker Accessories

Accessory Selection

Accessory	Description	Catalogue Number
Handle Attachments		
Handle Tie	Converts any 2 adjacent 1P CHOM circuit breakers to independent trip 2P.	**HOM1HT**
	Converts any adjacent 1P side by side CHOM Tandem breakers to independent 2P	**HOMTHT**
Handle blocking device	Attaches to a CHOM 2P breaker for holding the handle in the OFF position.	**HOM2HBD**
Handle lock	ON or OFF, padlocking HomeLine 1P 15-50A circuit breaker.	**HOM1PA**
HomeLine handle lock ON or OFF, Padlocking		
	- Handle padlock attachment, for padlocking 1P CAFI, DF, GFI, and EPD HOM breakers in the ON or Off position	**HOMELEC1PA**
	- Handle padlock attachment, for padlocking 2P CAFI, DF, GFI, and EPD HOM breakers in the ON or Off position	**HOMELEC2PALA**
	- Handle padlock attachment, for padlocking 2P 15-70A	**HOM2PALA**
	- Handle padlock attachment, for padlocking 2P 80-125A	**HOM2PAHA**
	Handle padlock attachment, for padlocking centre poles of CHOM quad breakers in the OFF position	**HOMQPA**
	Handle lock, OFF for QOM1 50-125A Main Circuit Breaker	**QOM1PA**
	Handle lock, OFF for QOM2 100-225A Main Circuit Breaker	**QOM2PA**
Sub-feed Lugs		
	125A 2P plug-on - 2 spaces required	**HOML2125**
	225A 2P plug-on - 4 spaces required	**HOML2225**



HOM1HT



HOM1PA



HOM2PALA



HOM2PAVHA



HomeLine™ Loadcentres

Features that Outclass the Competition

The quality you expect from Schneider Electric, the industry leader, is built into all HomeLine™ loadcentres.

Canadian HomeLine™ loadcentres are the smart choice for value-minded contractors, remodelers, builders and homeowners. HomeLine™ loadcentres are CSA approved to only accept CHOM breakers.

Panel Features:

- Straight-in wiring mains design.
- Standard 22,000 ampere short circuit current rating on main breaker.
- Combination slot/Robertson neutral, ground and cover screws.
- Shielded aluminum bus and interior assembly.
- Multiple horizontal ground bar mounting locations (left, right and bottom).
- Backed out neutral screws save labor and installation time.
- 10 Year Warranty.

FAST FACTS

HomeLine loadcentres was first introduced in North America between 1988 and 1989.

HomeLine™ loadcentres offer unique features for the value-minded contractors

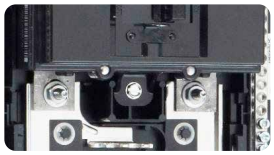
Key Features



Single teardrop positioning hole
Enables single-person installation. The load center can be hung in position and is easily secured with the embossed mounting holes.



Bolt on main breaker/straight-in wiring
All 100A and 200A panels have a bolt on main breaker for solid connection. Straight-in wiring for main breaker connection saves wire and time - minimize service cable bends.



Distributed branch neutral
Reduces clutter and simplifies wiring.

Factory removed branch twist-outs and main breaker K.O.
All HomeLine service entrance loadcentres come with the first two branch twist-outs and the main breaker K.O. (New Feature) factory removed to save installation time.



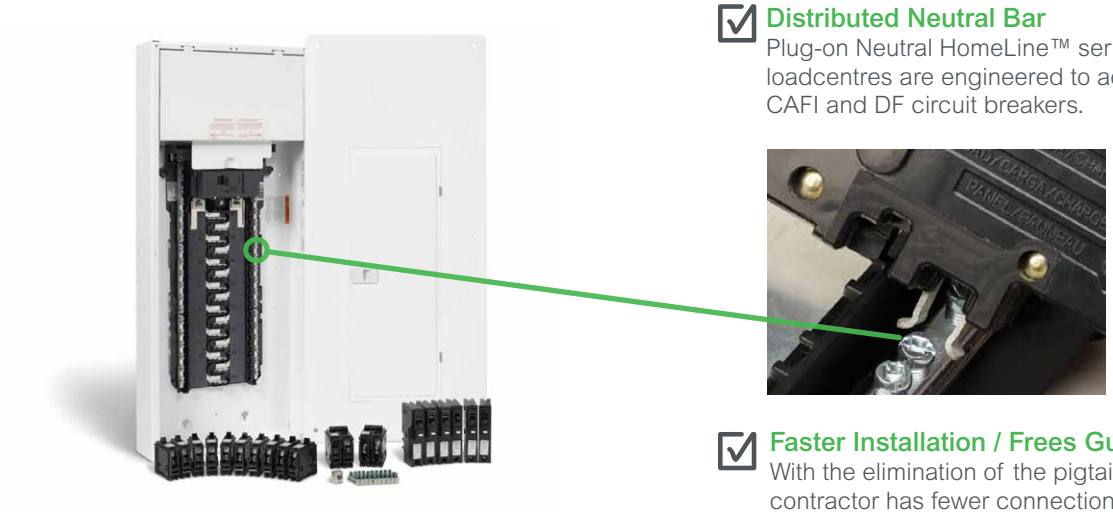
Automatic flush adjustment
Cover features a floating, spring-mounted trim providing automatic adjustment. This ensures proper alignment without manual adjustment and speeds up the final installation.

Painted appliance white
Tub and trim painted white adds a clean look for finished areas and reduces sharp edges for electricians.

Cover with door
HomeLine™ service entrance loadcentres come with door to cover exposed breakers. Convenient for unfinished basements with no cabinet enclosure.
(Exception: 120 circuit loadcentres)

Plug-on Neutral (PoN) Panel Packages

HomeLine™ (PoN) panel packages combine a service entrance loadcentre with a selection of breakers including the combination arc fault breakers for the updated 2015 code. The HomeLine™ PoN loadcentres are designed to accept the plug-on neutral (PoN) combination arc fault (CAFI) and dual function (DF) circuit breakers. The PoN CAFI and PoN DF circuit breakers connect directly to the neutral bar of the loadcentre, eliminating the need to attached a separate neutral wire to the neutral bar. The HomeLine™ PoN loadcentres features a fully distributed neutral bar that is versatile enough to accept either pigtail or PoN devices.



Distributed Neutral Bar

Plug-on Neutral HomeLine™ service entrance loadcentres are engineered to accept the PoN CAFI and DF circuit breakers.

Faster Installation / Frees Gutter Space

With the elimination of the pigtail wires in the panel the contractor has fewer connections which saves time and frees gutter space for a cleaner look.

Easier Troubleshooting

With a much cleaner look, tracing the destination of wires is easier and inspection of panels easier.

Compare the difference



Pigtail Neutral Connections



Plug-on Neutral Connections

HomeLine Panel Package Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard 1”	Tandem/ Quad			Inches	mm	Inches	mm	Inches	mm
100 A	24	48	**VP1048PON**	#6-2/0	26.04	661	14.25	362	3.75	95
100 A	30	60	**VP1060PON**	#6-2/0	33.78	858	14.25	362	3.75	95
200 A	30	60	**VP2060PON**	#4-250	33.78	858	14.25	362	3.75	95
200 A	42	84	**VP2084PON**	#4-250	39.37	1000	14.25	362	3.75	95

Each Panel Package Includes:

Catalogue Number	1 Pole 15A	15A Tandem	1 Pole 20A	2 Pole 15A	2 Pole 30A	2 Pole 40A	1 Pole 15A CAFI
VP1048PON	6		2		1	1	3
VP1060PON	8		2		1	1	3
VP2060PON	8		2		1	1	6
VP2084PON	8		2		1	1	6



HomeLine™ Panel Packages

HomeLine™ panel packages combine a service entrance loadcentre with a selection of breakers for easy installation. This panel offers features such as, straight-in main breaker wiring, painted appliance white finish for no sharp edges, drywall markers for accurate installation and a shielded bus design.

Panel Package Features:

- Expandable loadcentre capacity with the use of tandem and quad breakers.
- CSA approved for vertical, horizontal or inverted mounting.
- Accepts aluminum or copper conductors.
- Distributed neutral bars reduces clutter and simplifies wiring.
- Complete with latch door on the trim, with option for door lock. See page 19 for accessories.



24 Circuit 100A Panel Package

HomeLine Panel Package Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard 1"	Tandem/ Quad			Inches	mm	Inches	mm	Inches	mm
100 A	12	24	**VCP1024**	#6-2/0	17.92	455	14.25	362	3.75	95
100 A	16	32	**VCP1032**	#6-2/0	20.92	531	14.25	362	3.75	95
200 A	20	40	**VCP2040**	#4-250	29.86	758	14.25	362	3.75	95

Each Panel Package includes 2 filler plates



Each Panel Package Includes:

Catalogue Number	1 Pole 15A	15A Tandem	1 Pole 20A	2 Pole 15A	2 Pole 30A	2 Pole 40A
VCP1024		5				
VCP1032		5		1	1	1
VCP2040	10			1	1	1



HomeLine™ Sub Panels

HomeLine™ Main Lugs Loadcentres Type 1 Indoor

HomeLine™ sub panels are an ideal solution if your main service panel is full but you want to add multiple circuits to your home. Sub panels do not include a main breaker.

Indoor Loadcentre Features:

- Install addition circuits using tandem or Quad breakers.
- 2, 4 and 6 circuit sub panels are painted grey.
- Accepts aluminum or copper conductors.



6 Space Sub Panel

Main Lugs Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Bus Amp Rating	Number of Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard 1”	Tandem/ Quad			Inches	mm	Inches	mm	Inches	mm
70 A	2	4	**CHOM24L70S❶**	#12-3 #14-4	9.30	236	4.81	122	3.19	81
100 A	6	12	**CHOM612L100S❶**	#8-1	12.57	319	8.88	226	3.80	97
125 A	4	8	**CHOM48L125GC**	#4-2/0	14.80	376	8.88	226	3.80	97
125 A	8	16	**CHOM816L125GC**	#6-2/0	17.92	455	14.25	362	3.75	95
125 A	12	24	**CHOM1224L125GC**	#6-2/0	17.92	455	14.25	362	3.75	95
125 A	16	32	**CHOM1632L125GC**	#6-2/0	26.04	661	14.25	362	3.75	95
125 A	24	48	**CHOM2448L125GC**	#6-2/0	26.04	661	14.25	362	3.75	95
125 A	30	60	**CHOM3060L125GC**	#6-2/0	33.78	858	14.25	362	3.75	95
225 A	30	60	**CHOM3060L225GC**	#6-250	33.78	858	14.25	362	3.75	95
225 A	42	84	**CHOM4284L225GC**	#6-250	39.37	1000	14.25	362	3.75	95

❶Substitute “S” with “F” at end of part number for Flush cover panel

HomeLine™ Main Lugs Loadcentres Type 3R Outdoor

Outdoor Loadcentre Features:

- Type 3R outdoor enclosures - painted grey.
- Enclosures are CSA certified for vertical mounting only.
- Additional hubs on page 19.



2 Space Outdoor Panel

Outdoor Main Lugs Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Bus Amp Rating	Number of Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard 1”	Tandem/ Quad			Inches	mm	Inches	mm	Inches	mm
70 A	2	4	**CHOM24L70RB**	#12-3Al/#14-4Cu	9.38	238	4.88	124	4.00	102
100 A	6	12	**CHOM612L100RB**	#8-1	12.65	321	8.88	226	4.27	108
125 A	4	8	**CHOM48L125GRB**	#12-2/0Al#14-2/0Cu	14.80	376	8.88	226	4.27	108
125 A	8	16	**CHOM816L125GRB**	#6-2/0	18.92	481	14.75	375	4.52	115
125 A	12	24	**CHOM1224L125GRB**	#6-2/0	18.92	481	14.75	375	4.52	115

HomeLine™ Main Breaker Only Loadcentres

This service entrance panel is connected to the electrical meter and distributes electricity throughout the home. Each is equipped with a factory installed main circuit breaker, which serves as the main disconnect to turn off power to the loadcentre.

Main Breaker Loadcentre Features:

- Factory installed main breaker.
- Suitable for surface or flush mounting.
- CSA approved for vertical, horizontal or inverted mounting.
- Install additional circuits using tandem or quad circuit breakers.
- Distributed neutral reduces clutter and simplifies wiring.
- Painted appliance white.



24 Circuit Main Breaker Only Panel

Main Breaker Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard 1”	Tandem/ Quad			Inches	mm	Inches	mm	Inches	mm
Factory Installed Main Circuit Breaker - QOM1 Main Frame Size										
60 A	12	24	**CHOM1224M60GC**	#6-2/0	17.92	455	14.25	362	3.75	95
60 A	16	32	**CHOM1632M60GC**	#6-2/0	20.92	531	14.25	362	3.75	95
100 A	12	24	**CHOM1224M100GC**	#6-2/0	17.92	455	14.25	362	3.75	95
100 A	16	32	**CHOM1632M100GC**	#6-2/0	20.92	531	14.25	362	3.75	95
100 A	24	48	**CHOM2448M100GC**	#6-2/0	26.04	661	14.25	362	3.75	95
100 A	30	60	**CHOM3060M100GC**	#6-2/0	33.78	858	14.25	362	3.75	95
125 A	24	48	**CHOM2448M125GC**	#6-2/0	26.04	661	14.25	362	3.75	95
125 A	30	60	**CHOM3060M125GC**	#6-2/0	33.78	858	14.25	362	3.75	95
Factory Installed Main Circuit Breaker - QOM2 Main Frame Size										
150 A	20	40	**CHOM2040M150GC**	#4-250	29.86	758	14.25	362	3.75	95
150 A	30	60	**CHOM3060M150GC**	#4-250	33.78	858	14.25	362	3.75	95
150 A	42	84	**CHOM4284M150GC**	#4-250	39.37	1000	14.25	362	3.75	95
200 A	30	60	**CHOM3060M200GC**	#4-250	33.78	858	14.25	362	3.75	95
200 A	42	84	**CHOM4284M200GC**	#4-250	39.37	1000	14.25	362	3.75	95
200 A	60	120	**CHOM60120M200GC❶**	#4-250	48.50	1232	14.25	362	3.75	95

❶Does not include a door. Order kit #CHOMDK602 for door.

HomeLine™ Loadcentres Accessories

Accessory Selection

Accessory	Description	Catalogue Number
Filler Plates	Fills branch breaker openings in cover	**CHOMFPCP**
Lock Kits	For use with type 1 Canadian HomeLine Loadcentres.	**PK6FL**
Interchangeable Hubs	Conduit Size - Type B Hub	
	Closing Plate	**BCAP**
	3/4”	**B-075**
	1”	**B-100**
	1 1/4”	**B-125**
	1 1/2”	**B-150**
	2”	**B-200**
	2 1/2”	**B-250**
Replacement Covers	CHOM24L70F *	**4055800701**
	CHOM48L125GC	**4055844801**
	CHOM48L125GRB	**4056314601**
	CHOM612L100S *	**4055801702**
	CHOM612L100F *	**4055801801**
	CHOM612L100RB	**4055342450**
	CHOM816M100GRB	**4056317850**
	CHOM1224M100GRB	**4056319050**
	CHOM2040M200GRB	**4056319050**
	CHOM 8-16,12-24 ML-MB loadcentres	**CHOMC12UC**
	CHOM 16-32 125A, 24-48 ML-MB loadcentres	**CHOMC24UC**
	CHOM 30-60 100-125A MB loadcentres	**CHOMC30U125C**
	CHOM 30-60 150-225A ML-MB loadcentres	**CHOMC30UC**
	CHOM 42-84 ML-MB loadcentres	**CHOMC42UC**
	CHOM 20-40 MB loadcentres	**CHOMC20UC**
	CHOM 60-120 MB loadcentres	**CHOMC60UC**
	Door Kit for CHOM60120M200GC	**CHOMDK602**

* Cover with no door



CHOMFPCP



PK6FL



BCAP



B150



CHOMC24UC



Square D™ QO™ Circuit Breakers

QO™ Premium quality designed for lifetime value

QO™ Circuit Breakers provide the high level of protection you expect from Square D.

The exclusive QO™ Visi-Trip™ instantly identifies a tripped circuit breaker with a red indicator window. When a QO™ Visi-Trip™ circuit breaker trips, the handle snaps to a midpoint position between “OFF” and “ON” and a highly visible, red indicator easily identifies the tripped breaker.

QO™ Circuit Breaker Features:

- Limited lifetime warranty.
- Exclusive Visi-Trip™ indicator.
- Plug-on design, easy to install.
- Quick make - quick break mechanism.
- Trip reaction within 1/60th of a second.
- Single Pole 15 A and 20 A breakers are Switching Duty Rated (SWD). SWD - Suitable for switching 120 Vac fluorescent lighting loads.
- Option for padlocking breaker in “ON” or “OFF” position.
- Slot/Robertson screws for wire termination.
- HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers. (Except for QO2100)

FAST FACTS

QO™ stands for Qwik-Open. They are fastest tripping circuit breakers at 1/60th of a second.

Circuit Breaker Product Selection Guide

Plug-On Circuit Breakers Selection - 10,000 AIR

Amp Rating	One Pole 120 Vac	Two Pole 240 Vac
10 A	QO110	
15 A	QO115CP❶❷	QO215CP❷❸
20 A	QO120CP❶❷	QO220CP❷❸
25 A	QO125CP❷	QO225CP❷❸
30 A	QO130CP❷	QO230CP❷❸
40 A	QO140CP❷	QO240CP❷❸
50 A		QO250CP❷❸
60 A		QO260CP❷❸
70 A		QO270CP❷❸
100 A		QO2100❷❸
125 A		QO2125❷❸

❶SWD - Suitable for switching 120 Vac fluorescent lighting loads.
❷HACR type for use with air conditioning, heating and refrigeration.
❸Double Pole 15 A-30 A breakers have ONE rail clip, 40 A and above have TWO rail clips.



QO One Pole Breaker
1 Space Required

High Magnetic Breakers Selection

Amp Rating	One Pole 120 Vac
15 A	QO115HM❶❷
20 A	QO120HM❶❷

High magnetic breakers are recommended for applications where high initial inrush current may occur.



QO Two Pole Breaker
2 Spaces Required

Tandem (Space Saver) Circuit Breakers Selection - 10,000 AIR

Amp Rating	One Pole 120 Vac 1 Space Required	Two Pole 120/240 Vac 2 Spaces Required
15 A & 15 A	QO1515CP❷	Order Two Tandem Circuit Breakers and Handle Tie Catalogue #QOTHT
20 A & 20 A	QO2020CP❷	
15 A & 30 A	QO1530❷	
20 A & 15 A	QO2015❷	
15 A & 20 A	QO1520CP❷	
20 A & 30 A	QO2030❷	
30 A & 15 A	QO3015❷	
30 A & 20 A	QO3020❷	
30 A & 30 A	QO3030❷	

❷HACR type for use with air conditioning, heating and refrigeration

Tandem (Space Save) circuit breakers are ideal for adding additional circuits to an existing panel with limited space.



QO Tandem Breaker
1 Space Required

QO™ Ground Fault Circuit Breakers

QO™ Ground Fault Circuit Interrupters (GFCIs) combine the same level of overcurrent circuit protection as standard QO™ Circuit Breakers, with ground fault protection for personal protection against electrical shock.

GFCI protection is required in wet or damp areas such as bathrooms, kitchens, garages, spas, pools and outdoor receptacles. Do not connect to more than 250 feet of load conductor for the total one-way run to prevent nuisance tripping.

QO™ Ground Fault Circuit Breaker Features:

- Provides overload and short circuit protection combined with Class A ground fault protection.
- Class A denotes a ground fault that will trip when a fault current to ground is 5 milliamperes or more for people protection.
- Exclusive Visi-Trip™ red indicator.
- Yellow push to test button.
- Provides option for padlock in “ON” or “OFF” position.



QO One Pole GFI Breaker
1 Space Required



QO Two Pole GFI Breaker
2 Spaces Required

Plug-On Ground Fault Circuit Breakers Selection

Amp Rating	One Pole 120 Vac		Two Pole Common Trip 240 Vac
	10,000 AIR	22,000 AIR	10,000 AIR
15 A	**QO115GFICP**	**QO115VHGFI**	**QO215GFICP**
20 A	**QO120GFICP**	**QO120VHGFI**	**QO220GFICP**
25 A	**QO125GFI**	**QO125VHGFI**	**QO225GFI**
30 A	**QO130GFI**	**QO130VHGFI**	**QO230GFICP**
40 A			**QO240GFICP**
50 A			**QO250GFICP**

Plug-On EPD with 30 mA Sensitivity GFCI Breakers Selection

Amp Rating	One Pole 120 Vac	Two Pole Common Trip 240 Vac
	10,000 AIR	10,000 AIR
15 A	**QO115EPD**	**QO215EPD**
20 A	**QO120EPD**	**QO220EPD**
30 A		**QO230EPD**
40 A		**QO240EPD**
50 A		**QO250EPD**

Designed to protect equipment such as heat trace from damage (Class B per ICES-003), the ground-fault protection level is 30 mA.

The CEC allows the use of an EPD for heat trace, to prevent freezing of pipes, rain gutters, etc. Other applications include protection of equipment such as well pumps and other electrical equipment in the home or garage.

FAST FACTS

Square D warrants its circuit breakers for the lifetime of the Square D loadcentre in which it is installed.

QO™ Combination Arc Fault Circuit Breakers

Beginning in 2015, the Canadian Electrical code will require the use of Combination Arc Fault Circuit Interrupters (CAFI) in most branch circuit suppling 125V receptacles rated 20A or less. Square D CAFI breakers are available in both pigtail and plug-on neutral formats, 1 pole/2 pole, and 15A/20A versions.

Square D Combination Arc Fault Circuit Breaker Features:



- Detects unintended arc faults, overloads and short circuits.
- White push to test button.
- Exclusive Visi-Trip™ red indicator.
- Plug-on CAFI version helps minimize installation time by reducing the number of wires.
- The Plug-on CAFI breaker can only be installed in Square D Plug-on neutral ready loadcentre.
- Saves time - equipped with TIME SAVER diagnostics feature that assists in identifying the type of fault in a circuit.

Pigtail Neutral CAFI Selection

Ampere Rating	One Pole 120 Vac	Two Pole Common Trip 240 Vac	One Pole 120 Vac	Two Pole Common Trip 240 Vac
	10,000 AIR	10,000 AIR	22,000 AIR	22,000 AIR
15 A	**QO115CAFI**	**QO215CAFI**	**QO115VHCAFI**	**QO215VHCAFI**
20 A	**QO120CAFI**	**QO220CAFI**	**QO120VHCAFI**	**QO220VHCAFI**



Plug-on Neutral CAFI Selection

Ampere Rating	One Pole 120 Vac	Two Pole Common Trip 240 Vac	One Pole 120 Vac	Two Pole Common Trip 240 Vac
	10,000 AIR	10,000 AIR	22,000 AIR	22,000 AIR
15 A	**QO115PCAFI**		**QO115VHPCAFI**	
20 A	**QO120PCAFI**		**QO120VHPCAFI**	

TIME SAVER Diagnostics

All Square D QO™ combination arc fault circuit breakers come with a TIME SAVER diagnostics feature that assists in identifying the type of fault that has occurred when the breaker has tripped.

- Requires no tools - easy to use.
- Saves money and time.
- How to use: turn off the circuit breaker, HOLD DOWN the Push-to-test button, and then turn the circuit breaker back on. Use the chart below to determine fault

Trips Instantly (Less than 1 Second)	**Fault to Ground** - Arcing to Ground - Grounded neutral - Shared neutral - Ground Fault
Trips at 2 Seconds	**Arc Fault** - Parallel Arc Fault - Series Arc Fault
Trips at 5 Seconds	**Procedure Complete** - No Fault - Thermal Overload - Short Circuit



QO™ Dual Function Circuit Breakers

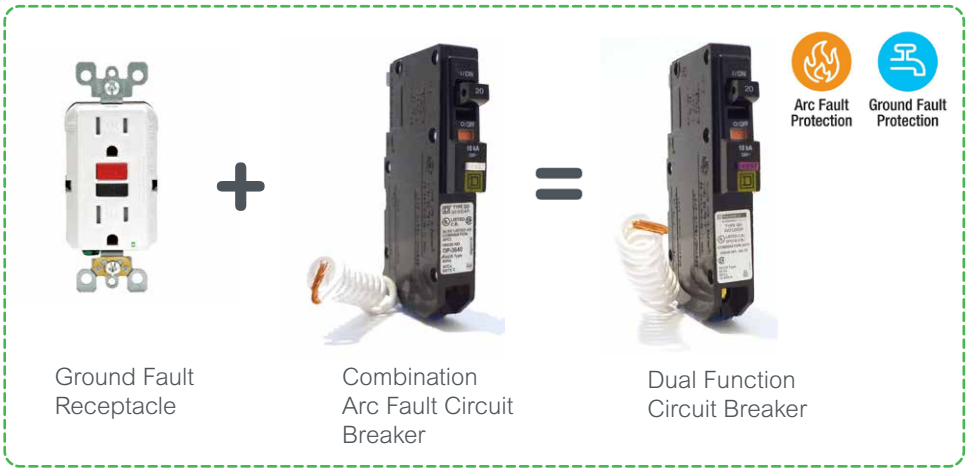
Square D Dual Function circuit breakers combine combination arc fault and ground fault protection in a single device. The dual function circuit breaker meets the 2015 Canadian Electrical code requirements for combination arc fault protection in the home, while also offering (Class A - people protection) ground fault protection.

This unique combination saves space in the panel and installation time for the homeowner or contractor, replacing the arc fault breaker and a ground fault receptacle combination. Ideal for the bedroom and bathroom, where one dual function breaker can arc fault protect the bedroom and ground fault the en suite bathroom. Another application is an outdoor receptacle where the dual function breaker can provide arc fault and ground fault protection inside the home instead of exposed to the outdoor weather. With the built in TIME SAVER diagnostics feature, trouble shooting a fault is easier and faster.

Square D™ Dual Function Circuit Breaker Features:

- Detects unintended arc faults, ground faults, overloads and short circuits.
- Purple push to test button.
- Exclusive Visi-Trip™ red indicator.
- Offered in both pigtail and non pigtail versions.
- Plug-on version helps minimize installation time by reducing the number of wires.
- Saves time - equipped with TIME SAVER diagnostics feature that assists in identifying the type of fault in a circuit.





Ground Fault Receptacle

Combination Arc Fault Circuit Breaker

Dual Function Circuit Breaker

Pigtail Neutral Selection

Ampere Rating	One Pole 120 Vac	One Pole 120 Vac
	10,000 AIR	22,000 AIR
15 A	**QO115DF**	**QO115VHDF**
20 A	**QO120DF**	**QO120VHDF**

Plug-on Neutral Selection

Ampere Rating	One Pole 120 Vac	One Pole 120 Vac
	10,000 AIR	22,000 AIR
15 A	**QO115PDF**	**QO115VHPDF**
20 A	**QO120PDF**	**QO120VHPDF**

Square D™ Hot Tub/Pool/Spa Pack

Selecting an outdoor loadcentre for a hot tub, pool or spa has never been easier. Choose any of the Square D QO™ Hot Tub/Pool/Spa Packs that includes a QO™ Type 3R non-metallic loadcentre and a 20, 30, 40, 50 A or 60 A GFCI.

These GFI products provide protection and switching for outdoor circuits such as hot tubs, fountains, swimming pools or spas. For contractors, remodelers and homeowners requiring a durable outdoor loadcentre and GFCI, the Square D Hot Tub/Pool/Spa Pack will meet their needs.

QO™ Spa Features:

- Includes 20 - 60 Amp 2-pole QO™ GFCI.
- Exclusive VISI-TRIP® Indicator quickly identifies tripped circuit breaker.
- Polymer, compact Type 3R outdoor enclosure will not rust.
- Side hinged door for easy access.
- Lockable door.
- 10,000 ampere short circuit current rating.
- Ideal for indoor or outdoor applications.



50 A Spa Pack

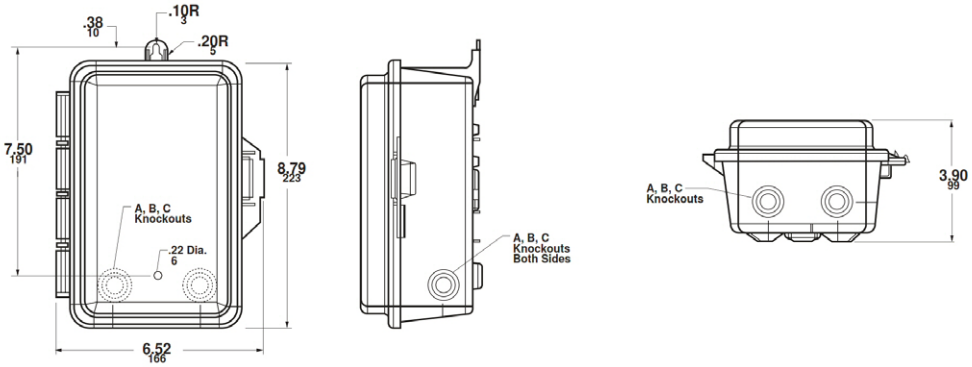
Spa Pack Selection (1 Phase, 3 Wire, 120/240 Vac)

Amp Rating	Catalogue Number	Weight (lbs.)	Box Dimensions					
			Height		Width		Depth	
			Inches	mm	Inches	mm	Inches	mm
20 A	CQOE220GFINM	2.7	9.80	245	6.52	165	3.90	99
30 A	CQOE230GFINM							
40 A	CQOE240GFINM							
50 A	CQOE250GFINM							
60 A	CQOE260GFINM❶							

❶2 Wire 240 V only. No neutral connection on GFI breaker.

Enclosure only part number: CQO24L60NRNM

Dimensions



FAST FACTS

Spa Packs must be located at least 3m (10ft.) away from the hot tub, pool or spa.

Plug-On Whole House Surge Protection

Designed to work exclusively on Square D Plug-on Neutral loadcentres, this surge protector is the quickest and easiest to install whole house sure protector. Simply find two empty spaces in a Square D loadcentre and connect to the busbar and neutral bar. There is nothing to replace or reset on this device.

It provides electrical whole house surge protection for sensitive electronics, and reduce surges that might otherwise overwhelm plug strips and damage connected household equipment. Provides surge protection for important items such as washers, dryers, refrigerators, stoves, and lighting that plug strips don't protect.

Features:

- For use on only new Square D loadcentres with Plug-on neutral bars.
- 2 Pole Plug-on design is easy and quick to install.
- Green status LED indicates operational status.
- Modes of protection - 3.
- Fusing - individually fused MOVs.
- cULus Listed per UL 1449 Type 1 SPD, CSA C22.2 No. 269.1, C233.1
- Surge Current Rating per Phase 50,000A.
- Short Circuit Current Rating 22,000A.
- Warranty is $50,000, 5 years.



CQO250PSPD

Catalogue Number	Modes of Protection	MCOV	VPR	
			L-N	L-L
CQO250PSPD	3	150VL-N, 300V L-L	500V	900V

Plug On Surge Protective Devices

Designed to work exclusively on Square D loadcentres, the Surgebreaker® surge protectors are easy to install plug on units that installs like a standard circuit breaker. There is nothing to replace or reset on this device. Secondary Surge protectors may not protect solid state or electronic equipment from all lightning induced or other large power surges.

Features:

- Helps protect wiring and major appliances from damage caused by most external power surges.
- 2 Pole Plug-on design is easy and quick to install in any QO® loadcentre.
- Green status LED indicates operational status.
- cULus Listed per UL 1449 3rd edition Type 2 SPD, CSA C22.2 No. 8-M1986, C233.1-87.
- Warranty is $10,000, 3 years.



QO2175SB

Catalogue Number	Modes of Protection	MCOV	SCCR	SCR
QO2175SB	3	150V	22.5kA	22kA

QO™ Main Circuit Breakers

QO™ Main breakers are bolt-on for all residential service entrance loadcentres. Standard 22,000/10,000 ampere series short circuit current rating on main breaker panels provides increased application capability.

QO™ Main Breaker Features:

- Provides option for padlock in “OFF” position.
- Bolt-on main breaker for Square D service entrance panels.

Bolt on Main Breaker Selection

Ampere Rating	Part Number	kAIC	Lug Range	Frame Size
30 A	**QOM30L**	10	#12-2/0	QOM1
40 A	**QOM40L**	10	#12-2/0	QOM1
50 A	**QOM50VHL**	22	#12-2/0	QOM1
60 A	**QOM60VHL**	22	#12-2/0	QOM1
70 A	**QOM70VHL**	22	#12-2/0	QOM1
80 A	**QOM80VHL**	22	#12-2/0	QOM1
100 A	**QOM100VHL**	22	#12-2/0	QOM1
125 A	**QOM125VHL**	22	#12-2/0	QOM1
100 A	**QOM2100VHL**	22	#4-300mcm	QOM2
125 A	**QOM2125VHL**	22	#4-300mcm	QOM2
150 A	**QOM2150VHL**	22	#4-300mcm	QOM2
200 A	**QOM2200VHL**	22	#4-300mcm	QOM2
225 A	**QOM2225VHL**	22	#4-300mcm	QOM2

Main Breakers include factory installed handle padlock attachment (padlock QOM main circuit breaker in the ‘off’ position).



QO 100A Bolt On Main Breaker (QOM1 Frame Size)



QO 200A Bolt On Main Breaker (QOM2 Frame Size)

Circuit Breaker Wire Sizes

		Wire Size (AWG)	
Breaker Type	Ampere Rating	Aluminum	Copper
QO	10-30	#14-8	(1) #14-8 OR (2)#14-10
	35-70	#8-2	#8-2
	80-125	#12-2/0	#12-2/0
QO Tandem	15-20	#12-8	#14-8
QO-GFI	15-30	#12-8	#14-8
	40,50,60	#12-4	#14-6



QO™ Circuit Breaker Accessories

Accessory Selection

Accessory	Description	Catalogue Number
Handle Tie	Converts any two adjacent 120/240Vac single pole QO breakers to independent trip two pole.	**QO1HTCP**
	Converts any two adjacent 120/240Vac single pole side-by-side Tandem breakers to independent trip two pole.	**QOTHT**
Handle Lock-Off	Clamp for holding QO single pole handle in “ON” or “OFF” position.	**QO1LO**
	Clamp for holding QO, either 1,2,or 3 pole breaker handles in “ON” or “OFF” position.	**HLO-1CP**
Handle Padlock Attachment	For padlocking single pole QO breaker in “ON” or “OFF” position.	
	Loose Attachment	**QOHPL**
	Fixed Attachment	**QO1PA**
	For padlocking single pole side-by-side QO Tandem breaker in “ON” or “OFF” position.	**QOTHPA**
	For 2 and 3-pole QO breakers which require padlocking in either “ON” or “OFF” position.	
	Loose Attachment	**QO1HPL**
	Fixed Attachment.	**QO1PL**
	For padlocking QOM main circuit breakers in “OFF” 50-125A.	**QOM1PA**



QO1HTCP



QOTHT



QO1LO



HLO-1CP



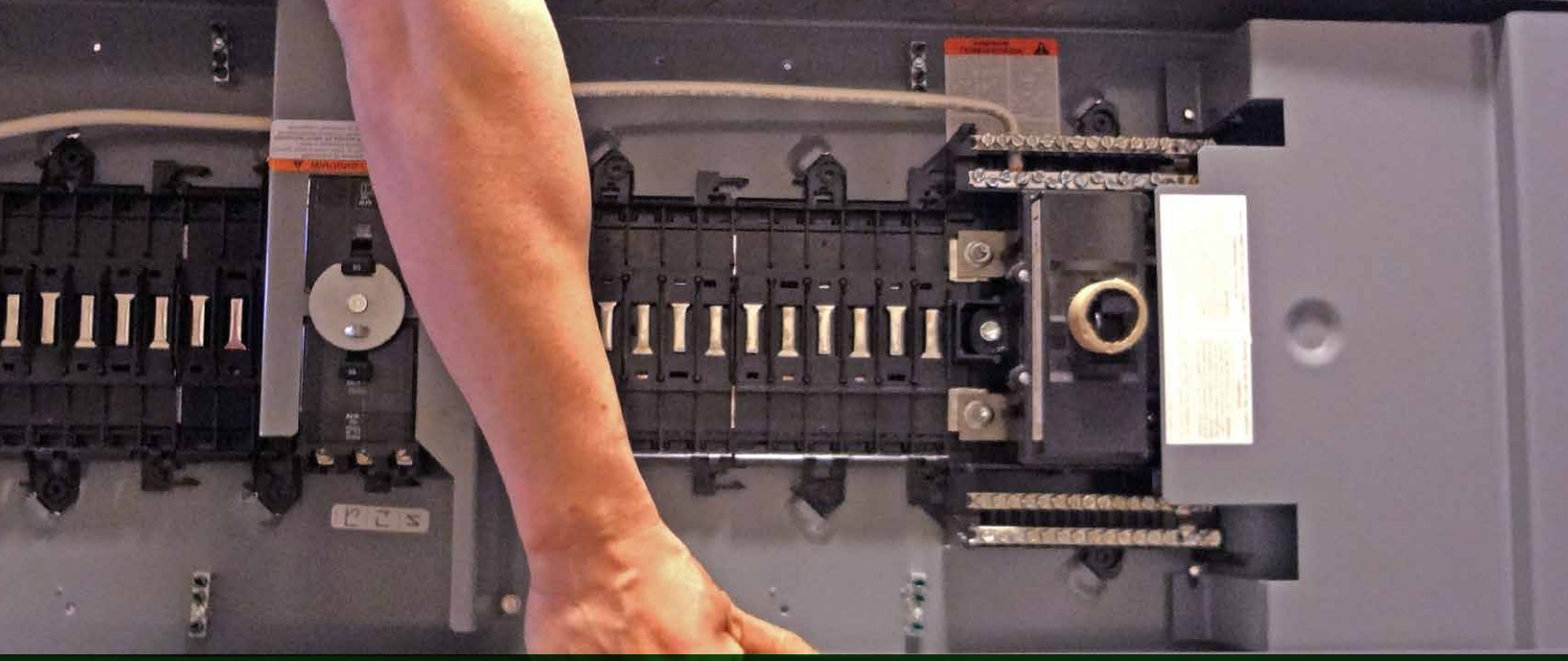
QOHPL



QOTHPA



QO1HPL



Square D QO™ Loadcentres

The Choice of Professionals

Square D service entrance loadcentres feature the rugged design, high quality and proven performance that residential, multi-residential and commercial applications demand, making Square D circuit breakers and loadcentres, the electrical contractors' first choice.

Square D Loadcentres are backed by a Lifetime Warranty.

Panel Features:

Quality and Safety

- Accepts QO™ breakers that trip within 1/60th of a second.
- Lifetime limited warranty.
- Straight-in mains design minimized cable bends, cutting waste and saving time.
- Shielded low profile copper bus bar provides added electrical safety against incidental contact.

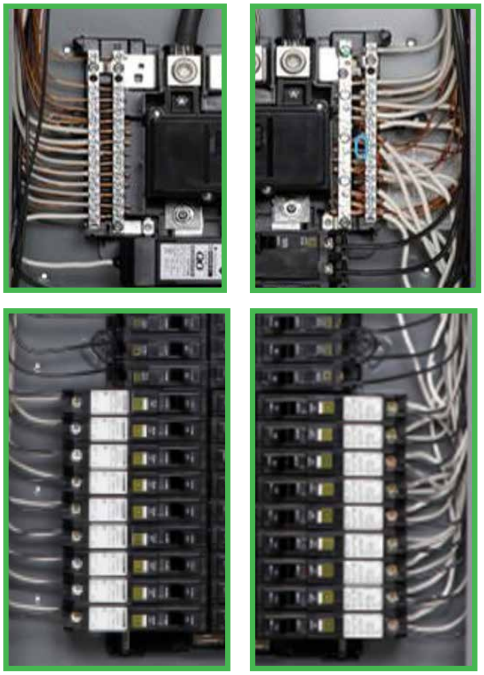
Innovation and Convenience

- Plug-on neutral loadcentre accepts both pigtail and plug-on neutral CAFI.
- Exclusive Visi-Trip® indicator to easily identify a tripped breaker.
- Tandem breakers allow you to easily expand the loadcentre capacity.
- Bolt-on main breaker comes standard on all residential Square D panel packages.
- Combination flush/surface cover with door included.
- CSA approved for vertical, horizontal or inverted mounting.
- Backed out neutral screws save labor and installation time.

Square D Plug-on Neutral Loadcentres

The Square D plug-on neutral loadcentres are designed to accept the plug-on (pigtail less) combination arc fault circuit breakers. The plug-on combination arc fault circuit breakers connect directly to the neutral bar of the loadcentre, eliminating the need to attached a separate neutral wire to the neutral bar. The Square D loadcentres features a fully distributed neutral bar that is versatile enough to accept either pigtail or pigtail less arc fault breaker or ground fault breaker.

Compare the difference



Plug-on Neutral Connections

Pigtail Neutral Connections



Plug-on Neutral Ready



Easier Troubleshooting
With a much cleaner look, tracing the destination of wires is easier and inspection of panels easier.

TIME SAVER Diagnostics
Simple 5 seconds test to assist in identifying the type of fault in a circuit.

Faster Installation / Frees Gutter Space
With the elimination of the pigtail wires in the panel the contractor has fewer connections which saves time and frees gutter space for a cleaner look.

Bolt on main breaker - all 100A and 200A panels have bolt on main breakers for solid connection. Straight-in wiring for main breaker connection saves wire and time - minimize service cable bends. New feature: Main breaker K.O. are now factory removed to save install time.

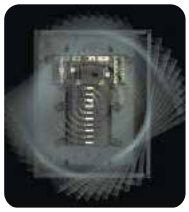


Plated copper bus — one-piece copper bus provides exceptional conductivity and is plated to ensure superior performance and durability





180° rotation - for top, bottom or side feed — improves application flexibility



Backed out neutral screws - save labor and installation time.



Square D Qwikpak® Panel Packages

Square D Panel Packages combine a service entrance main breaker loadcentre and a selection of QO™ circuit breakers in a convenient package for quick installation. This panel package is ready is be installed as a replacement for an older fuse box or to upgrade from an older breaker panel.

For added protection from damage, the trim is packaged in a separate carton in the package.

Qwikpak Panel Package Features:

- Plug-on neutral ready.
- Expandable loadcentre capacity with the use of QO™ tandem breakers.
- CSA approved for vertical, horizontal or inverted mounting.
- Tin plated copper bus bars
- Accepts aluminum or copper conductors.
- Lifetime limited Warranty.



32 Circuit 100A Panel Package

Square D Panel Package Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of QO Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard	Tandem			Inches	mm	Inches	mm	Inches	mm
100 A	24	48	**QP24100**	#4-2/0	21.00	533	14.25	362	3.75	95
100 A	32	54	**QP32100**	#4-2/0	26.25	667	14.25	362	3.75	95
200 A	40	80	**QP40200**	#4-250	34.00	864	14.25	362	3.75	95
200 A	60	80	**QP60200❶**	#4-300	41.25	1048	14.25	362	3.75	95

❶Does not include a door. Order kit # QODK60-2 for door. Rated 200 A maximum with aluminum conductors, 225 A with copper conductors.

Each Panel Package includes:



Each Panel Package includes 2 filler plates



- Main Breaker
- Tub, Trim and Interior
- Selection of breakers:
  - 10 - Single Pole 15A QO Breakers
  - 3 - Double Pole 15A QO Breakers
  - 1 - Double Pole 30A QO Breaker
  - 1 - Double Pole 40A QO Breaker

Square D Sub Panels

QO™ Main Lugs Indoor Loadcentres

Main lugs loadcentres are typically used as an add-on loadcentre and is connected to the service entrance loadcentre when spaces for more circuits are needed or when a main disconnect is located elsewhere. It does not contain a main breaker. Square D offers a variety of sizes to meet various applications within the home.

- Expandable loadcentre capacity with the use of QO™ tandem breakers.
- CSA approved for vertical, horizontal or inverted mounting.
- Accepts aluminum or copper conductors.
- Lifetime limited Warranty.

8 Space Sub Panel



Main Lugs Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Bus Amp Rating	Number of QO Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard	Tandem			Inches	mm	Inches	mm	Inches	mm
30 A	2	4	**QO2L30SC❹**	#12-10Al/#14-10Cu	6.75	171	3.75	95	3.00	76
70 A	2	4	**QO2L70S❸**	#12-3Al/#14-4Cu	9.25	235	4.75	121	3.25	83
100 A	4	8	**QO4L100S❷**	#8-1	12.75	324	9.00	229	3.75	95
100 A	6	12	**QO6L100S❶❷**	#8-1	12.75	324	9.00	229	3.75	95
100 A	8	15	**QO8L100S❶❷**	#8-1	12.75	324	9.00	229	3.75	95
100 A	12	24	**CQO112L100PGC***	#4-1	18.00	457	14.25	362	3.75	95
100 A	16	32	**CQO116L100PGC***	#4-1	18.00	457	14.25	362	3.75	95
125 A	24	48	**CQO124L125PGC***	#4-2/0	21.00	533	14.25	362	3.75	95
125 A	16	32	**CQO132L125PGC***	#4-2/0	26.25	667	14.25	362	3.75	95
200 A	40	80	**CQO140L200PGC***	#4-250	34	864	14.25	362	3.75	95

❶Substitute "S" with "F" at end of part number for Flush cover panel.
❷Accepts maximum 70A branch breaker.
❸Accepts maximum 20A GFI or AFI breaker.
❹Will not accept QO-GFI or QO-EPD breakers.
* Plug-on Neutral Ready - Accepts no pigtail CAFI breakers.

QO™ Main Lugs Outdoor Loadcentres

- Type 3R outdoor enclosure.
- Enclosures are CSA certified for vertical mounting only.
- Lifetime limited Warranty.

2 Space Outdoor Panel



Outdoor Main Lugs Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Bus Amp Rating	Number of QO Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard	Tandem			Inches	mm	Inches	mm	Inches	mm
70 A	2	4	**QO2L70RB❸**	#12-3Al/#14-4Cu	9.50	241	5.00	127	4.00	102
100 A	6	12	**QO6L100RB**	#8-1	12.75	324	9.00	229	4.25	108
100 A	8	15	**QO8L100RB**	#8-1	12.75	324	9.00	229	4.25	108
100 A	16	32	**CQO116L100PGRB**	#4-1	22.25	565	14.25	362	4.50	114

❸Accepts maximum 20A GFI or AFI breaker.
* Plug-on Neutral Ready - Accepts no pigtail CAFI breakers.

Square D Main Breaker Only Loadcentres

This service entrance panel is connected to the electrical meter and distributes electricity throughout the home. Each is equipped with a factory installed main circuit breaker, which serves as the main disconnect to turn off power to the loadcentre, as well as to protect the load center from an overload or short circuit.

Main Breaker Loadcentre Features:

- Factory installed 60 A, 100 A or 200 A main breaker.
- Plug-on neutral ready.
- Suitable for surface or flush mounting.
- CSA approved for vertical, horizontal or inverted mounting.
- Tin plated copper bus bars
- Tandem breakers allow you to easily expand the loadcentre capacity.
- Lifetime limited Warranty.



24 Circuit Main Breaker Only Panel



Plug-on Neutral Ready

Main Breaker Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of QO Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard	Tandem			Inches	mm	Inches	mm	Inches	mm
60 A	12	24	**CQO112M60PC**	#4-1	15.00	381	14.25	362	3.75	95
60 A	16	32	**CQO116M60PC**	#4-1	18.00	457	14.25	362	3.75	95
60 A	24	48	**CQO124M60PC**	#4-2/0	21.00	533	14.25	362	3.75	95
100 A	16	32	**CQO116M100PC**	#4-1	18.00	457	14.25	362	3.75	95
100 A	24	48	**CQO124M100PC**	#4-2/0	21.00	533	14.25	362	3.75	95
100 A	32	54	**CQO132M100PC**	#4-2/0	26.25	667	14.25	362	3.75	95
100 A	40	80	**CQO140M100PC**	#4-2/0	34.00	864	14.25	362	3.75	95
125 A	32	54	**CQO132M125PC**	#4-2/0	26.25	667	14.25	362	3.75	95
150 A	40	80	**CQO140M150PC**	#4-250	34.00	864	14.25	362	3.75	95
150 A	60	80	**CQO160M150PC**	#4-250	41.25	1048	14.25	362	3.75	95
200 A	32	54	**CQO132M200PC**	#4-250	26.25	667	14.25	362	3.75	95
200 A	40	80	**CQO140M200PC**	#4-250	34.00	864	14.25	362	3.75	95
200 A	60	80	**CQO160M200PC❶**	#4-300	41.25	1048	14.25	362	3.75	95

❶Does not include a door. Order kit # QODK60-2 for door. Rated 200A maximum with aluminum conductors, 225 A with copper conductors.

Square D NQ 300A/400A Loadcentres

The Square D NQ service entrance loadcentres meet Canadian standards, and are marked cULus. They are 120/240V rated with a NEMA 1 enclosure for indoor use only, and are compatible with high quality Square D QO/QOB (plug on and bolt on) branch breakers.

NQ Loadcentre Features:

- Surface mount trim approved for top or bottom feed
- Accepts aluminum or copper wire
- Standard shielded copper bus interior
- Uses wide variety of QO/QOB breakers including space saver breakers with VisiTrip indicator for easy identification of tripped breakers



NQ Loadcentre Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of QO Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard	Tandem			Inches	mm	Inches	mm	Inches	mm
300 A	42	84	**NQSE142300S**	1/0 - 750kcmil	62.00	1575	20.0	508	5.75	146
300 A	42	84	**NQSE142300F**	1/0 - 750kcmil	63.50	1613	21.50	546	5.75	146
300 A	84	120	**NQSE184300S**	1/0 - 750kcmil	80.00	1524	20.0	508	5.75	146
300 A	84	120	**NQSE184300F**	1/0 - 750kcmil	81.50	2070	21.50	546	5.75	146
400 A	42	84	**NQSE142400S**	1/0 - 300kcmil	62.00	1575	20.0	508	5.75	146
400 A	42	84	**NQSE142400F**	1/0 - 300kcmil	63.50	1613	21.50	546	5.75	146
400 A	84	120	**NQSE184400S**	1/0 - 300kcmil	80.00	1524	20.0	508	5.75	146
400 A	84	120	**NQSE184400F**	1/0 - 300kcmil	81.50	2070	21.50	546	5.75	146

S -Surface Trim
F - Flush Trim

Square D Generator Panels

The Square D generator panels allows you to permanently connect a standby power source to specific circuits, such as lighting, heating, refrigerator, freezer, and sump pump. You can easily switch the power supply to branch circuits by turning off the utility main breaker and turning on the main breaker connected to the generator.

For added safety, an easy to use rotating interlock bracket allows only one main breaker to be on the “ON” position at the same time. Ideally suited for residential, rural, commercial applications requiring a quick and easy switch over from utility power to standby generator power.

Generator Panel Features:

- Large circuit breaker capacity. Accepts up to 18 standard or 36 QO™ tandem circuits.
- Plug-on neutral ready.
- Includes two factory installed 30 A or 60 A 3 pole main breakers.
- Ease of use from our patented rotating interlock bracket design.
- Manually switch from utility power to stand-by generator power in seconds.
- Suitable for generators having either bonded or unbonded neutral conductors.
- 30 A or 60 A 3-pole utility/generator circuit breakers switch both line & neutral conductors in accordance with the Canadian Electrical Code.
- Type 1 Indoor Enclosure with surface/flush mounted trim.



Plug-on Neutral Ready



60 A Generator Panel

Generator Panel Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of QO Circuits		Catalogue Number	Main Wire Size AWG/kcmil AL/Cu	Product Dimensions					
					Height		Width		Depth	
	Standard	Tandem			Inches	mm	Inches	mm	Inches	mm
30 A	18	36	**QOGP3P3036P**	#14-8	17.8	381	14.25	362	3.75	95
60 A	18	36	**QOGP3P6036P**	#8-2	17.8	381	14.25	362	3.75	95

Patented Easy to use Rotating Interlock Bracket



Square D All-in-one Generator Panels

The Square D All-in-one Generator Panels offer the best solution for new installations with a easy to use back up power. The entire unit is in a single enclosure with a pre-wired service entrance loadcentre and generator.

This All-in-one Generator Panel offers plenty of space for any application in the home with a total of 80 circuits using tandem breakers and a total of 36 circuits using tandem breakers for backup purposes.

Generator Panel Features:

- Large circuit breaker capacity.
- Includes two factory installed 60 A 3 pole main breakers.
- Plug-on neutral ready.
- Accepts no pigtail Combination Arc Fault breakers, eliminating the need to attach a separate neutral wire to the neutral bar.
- Ease of use from our patented rotating interlock bracket design.
- Manually switch from utility power to stand-by generator power in seconds.
- Suitable for generators having either bonded or unbonded neutral conductors.
- 60 A 3-pole utility/generator circuit breakers switch both line & neutral conductors in accordance with the Canadian Electrical Code.
- Includes cover with door.



Plug-on Neutral Ready



200 A All-in-one Generator Panel



Combination Generator Panel Selection (1 Phase, 3 Wire, 120/240 Vac)

Main Amp Rating	Number of QO Circuits		Number of QO Circuits (Generator)		Catalogue Number	Product Dimensions					
						Height		Width		Depth	
	Standard	Tandem	Standard	Tandem		Inches	mm	Inches	mm	Inches	mm
100 A	40	80	18	36	**QOGP3P604436100P**	38.00	965	14.25	362	3.75	95
200 A	40	80	18	36	**QOGP3P604436200P**	38.00	965	14.25	362	3.75	95

All-in-one Generator Panels have a main wire size of #4-250



FAST FACTS

Not using a generator panel with a generator for home back up power can be dangerous. Without a generator panel you can accidentally back feed power back to the grid.

Square D Loadcentres Accessories

Accessory Selection

Accessory	Description	Catalogue Number	Catalogue Number
Filler Plates	Fills branch breaker openings in cover	**QOFPCP**	
Lock Kits	Converts door latch from spring catch to lock type	**PK6FL**	
Interchangeable Hubs	Conduit Size	Type B Hub	Type MH Hub
	Closing Plate	**BCAP**	**MHC**
	3/4”	**B-075**	**MH75**
	1”	**B-100**	**MH100**
	1 1/4”	**B-125**	
	1 1/2”	**B-150**	**MH150**
Neutral Extension Kit	Loadcentre	Description	Catalogue Number
	24 Circuit Panels 32 Circuit Panels 42 Circuit Panels	14 Neutral Ports x 2	**QONK1**
	40 Circuit Panels 60 Circuit Panels	22 Neutral Ports x 2	**QONK2**

QO Neutral Extension kits:
Increase installation flexibility.
Multiple length available.
Kit includes a left and right side neutral bar.
Left side or right side installation option.



QOFPCP



PK6FL



BCAP



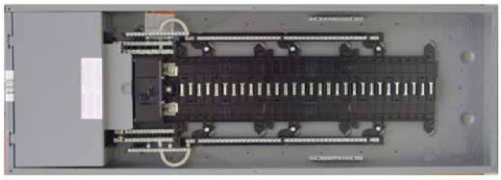
B-100



B-150

QONK2





Neutral Extension Kit installed in a Square D panel



Square D™ Surge Protection

Whole House Surge Protection protects all electronic devices from damage.

From televisions and home theatre systems to refrigerators and ranges, today's electronics and appliances are smarter – and more sensitive – than ever. They contain computer chips that can be damaged by even a minor electrical surge.

Surges not only overload and destroy sensitive electronics, but also shorten equipment life over time.

Point-of-use surge strips provide only partial protection. They provide limited protection for the equipment plugged into them, and no protection at all for appliances and systems that aren't connected to them.

The Electrical System:
Surges can enter your home's electrical system or can be generated within the home. External surges are a result of lightning or utility disturbances and switching. Without proper protection, these surges produce overvoltage conditions that can overwhelm point-of-use protection like surge strips. Electrical surges can damage connected equipment and slowly destroy the insulation on the wiring in your home.

The Telephone System:
Computer modems are among the most vulnerable electrical appliances in the home because they connect directly into telephone lines which carry surges generated by lightning activity. These surges can also damage answering machines and telephones.

Coaxial Cable or Satellite TV System:
The coaxial cable TV system is similar to the phone system. Local lightning activity can cause surges into the coaxial cable, causing damage to connected equipment. TV receivers and satellite TV systems are also subject to damage.

95%

The percentage of customers who stated they have purchased surge protection within 1 year after surge damage.

FAST FACTS

Each year it is estimated that surges cause $26 billion in lost time, repairs and equipment.

Source: Insurance Institute for Business and Home Safety.

SURGEBREAKER PLUS®
Whole House Surge Protection

The cost of whole house, multi-path surge protection is minimal when compared to the replacement cost of connected equipment. Often just one piece of damaged equipment costs more to replace than your entire investment in whole house protection.

The Square D Surgebreaker Plus® Whole House Surge Protector provides Multi-Path Surge Protection that meets UL 1449 3rd Edition Standards and can be easily installed in both new and existing homes. Its solid state design protects 120/240V circuits, as well as up to four telephone lines, and coaxial television lines for cable.

SURGEBREAKER PLUS® Features:

- Surge protects the whole house from lightning strikes and local power utilities. Provides power surge protection to all electronic equipment and household appliances in the home.
- Modular design with field replaceable 120/240 Vac line, cable, telephone and Ethernet protection components.
- Compatible with any brand of electrical panel. Connects to a dedicated 2 pole 20 A circuit breaker in the panel - sold separately.
- Compact and flexible design requires minimal space and allows product to be installed anywhere on the side or bottom of panel.
- Duel LED Indicators for protection status.
- Surge Current Rating per Phase 80,000 A.
- Short Circuit Current Rating 25,000 A.
- Metal oxide varistor (MOV) design, with less than a nanosecond response time.
- Modes of surge suppression: Line to Neutral, Line to Ground, Line to Line, Neutral to Ground.
- Warranty: up to 5 years and $100,000 in protection.



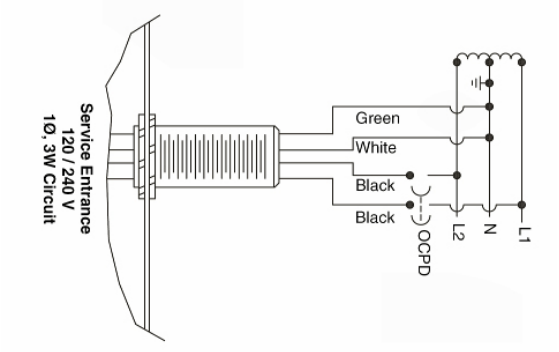
SDSB80111CCP

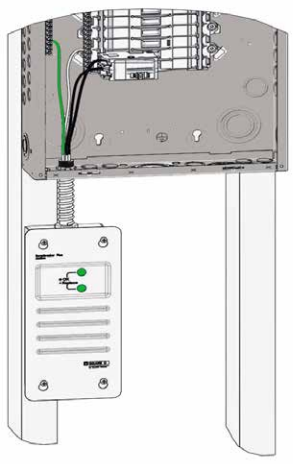
Whole House Surge Selection (1 Phase, 3 Wire, 120/240 Vac)

Catalogue Number	Cable Size Type Cu	Neutral & Ground Terminals Cu	Product Dimensions					
			Height		Width		Depth	
			Inches	mm	Inches	mm	Inches	mm
SDSB80111CCP	#12AWG	#12AWG	10.87	276	4.32	110	2.92	74

Typical AC Surge Protector Wiring Connection Diagram

Install the Whole House Surge Protector directly to a new 20A 2 Pole circuit breaker in your panel.





Home Electronics Protective Devices
Electrical Whole House Surge Protection

Square D™ brand Home Electronics Protective Devices (HEPDs) are compact and affordable surge protectors designed for residential loadcentres. HEPDs provide electrical whole house surge protection for sensitive electronics. HEPDs reduce surges that might otherwise overwhelm plug strips and damage connected household equipment. HEPDs also provide surge protection for important items such as washers, dryers, refrigerators, stoves, and lighting that plug strips don't protect.

HEPD80C Features:

- Compatible with any brand of electrical panel, model or design.
- Surge Current Rating per Phase 80,000 A.
- Short circuit current rating: 25,000 A.
- Each Metal Oxide Varistor (MOV) is individually fused.
- NEMA Type 4X enclosure rating suitable for installing indoors, outdoors, or in other harsh environments.
- US and Canadian UL Listed as Type 1 SPD to UL 1449 3rd Edition.
- LED indicates operational status.
- Small size will fit any installed panel. Convenient side-nipple mounting.
- Convenient side-nipple mounting.
- Warranty: up to 5 years and $75,000 in protection.



HEPD80C

HEPD50C Features:

- Compatible with any brand of electrical panel, model or design.
- Surge Current Rating per Phase 50,000 A.
- Short circuit current rating: 25,000 A.
- Each Metal Oxide Varistor (MOV) is individually fused, with both thermal and overcurrent fusing
- NEMA Type 4X enclosure rating suitable for installing indoors, outdoors, or in other harsh environments.
- US and Canadian UL Listed as Type 1 SPD to UL 1449 4th Edition.
- LED indicates operational status.
- Small size will fit any installed panel - 100A or 200A panels.
- Convenient side-nipple mounting.
- Warranty: up to 3 years and $50,000 in protection.

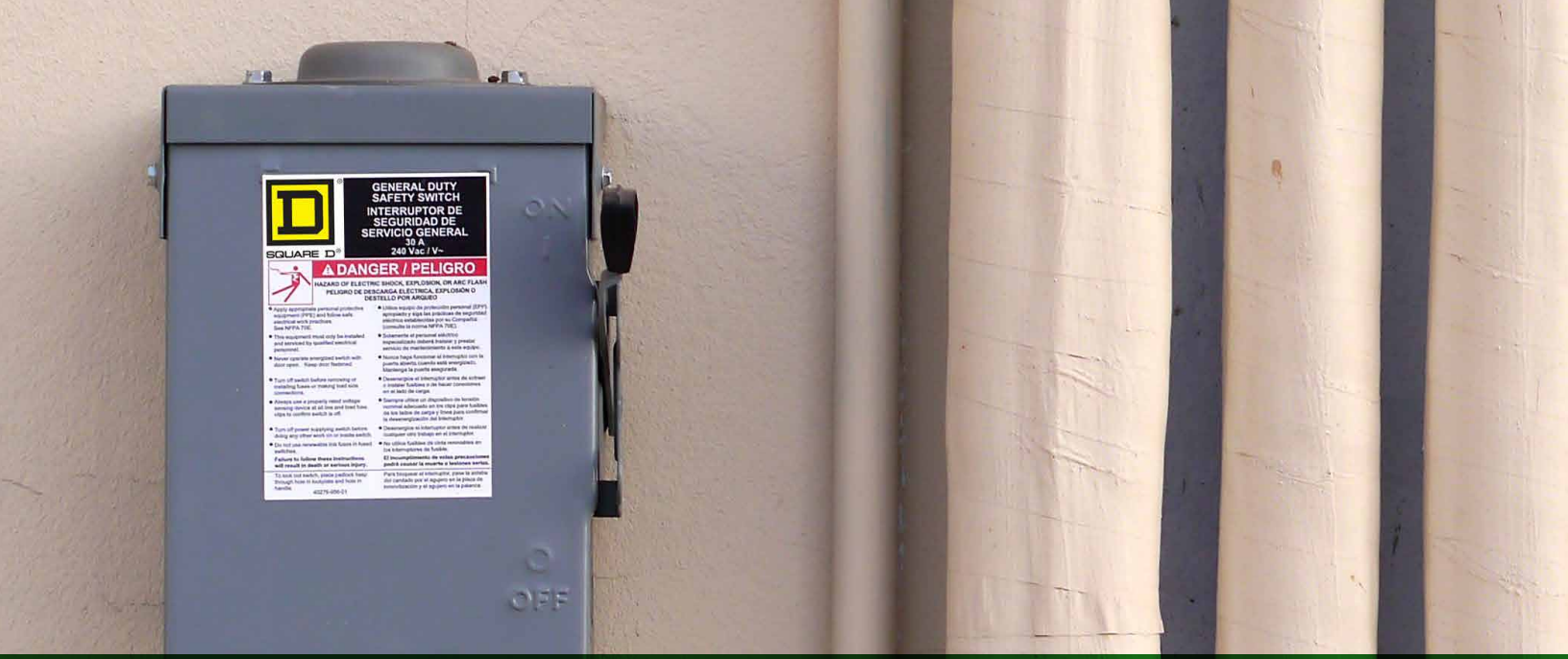


HEPD50C

HEPD Selection (1 Phase, 3 Wire, 120/240 Vac, 60Hz)

Catalogue Number	Modes of Protection	MCOV	VPR				Product Dimensions					
							Height		Width		Depth	
			L-N	L-G	L-L	N-G	Inches	mm	Inches	mm	Inches	mm
HEPD80C	6	150V	600V	700V	1000V	1000V	3.72	94	3.23	82	2.1	53
HEPD50C	6	150V	600V	700V	1000V	900V	3.75	95	3.60	91	2.67	68

Flush mounting bracket catalogue number (For flush mounted panels): **HEPD58MKF**



Square D™ Safety Switches

Safety switches isolate power in daily activities and provide an effective way to shut power off in an emergency. General duty safety switches are designed for residential and commercial applications where durability and economy are prime considerations. Typical loads are lighting, air conditioning and appliances.

The switches are also suitable as service equipment when equipped with a factory-installed neutral assembly or a field-installed equipment grounding kit.





General Features:

- Fusible or non fusible.
- 30–200 A rated for application loads up to 240 V .
- Up to 100 kA SCCR, utilizing appropriately rated Class R Class J or Class T fuses or fuse kits.
- Available with glass or cartridge fuse protection.
- Horsepower rated for motor applications.
- Available in Type 1 (indoor) and 3R (outdoor) enclosures.
- Tangential combination knockouts 30–200 A.
- Spring reinforced plated copper fuse clips.
- Insulated, bonded solid neutral assemblies (standard in fusible switches).
- Visible blades.
- Quick-make, quick-break operating mechanism.
- Cover padlock and handle lock “OFF”.

FAST FACTS

The company, **Detroit Fuse and Manufacturing** was credited with inventing the Safety Switch. Later renamed **Square D**, the classic Square D logo was stamped on all switches and products. The capital letter “D” in the square stands for Detroit.

General Duty Safety Switches

Square D general duty safety switches meet the needs of residential and commercial applications with many features designed for economy, safety, and superior performance. Typical applications include residential, farm and small business service entrances and light-duty branch circuit disconnects.

Home applications include disconnecting power to well pumps, workshops, hobby room, furnaces and garages.

General Duty Switch Features:

- 240 Vac maximum.
- Type 1 indoor enclosure.
- Service entrance rated (60 A and above switches).
- Lugs suitable for Al or Cu conductors.
- Spring reinforced plated copper fuse clips.
- Multiple padlock provisions in "OFF" position.



30 A Plug Switch

Safety Switch Selection

Amp Rating	Catalogue Number	Fuse Type	Horsepower Rating - 1Ø		Product Dimensions					
					Height		Width		Depth	
			Standard	Max.	Inches	mm	Inches	mm	Inches	mm
30 A	**L111N**	Plug	0.5	2	7.63	194	5.00	127	4.00	102
30 A	**CD211NCP**	Plug	1.5	3	9.25	235	6.75	171	3.63	92
30 A	**CD221NCP**	Cartridge	1.5	3	9.25	235	6.75	171	2.63	92
60 A	**CD222N**	Cartridge	3	10	14.63	372	6.50	165	4.88	124
100 A	**CD223N**	Cartridge	7.5	15	17.50	445	8.50	216	6.50	165
200 A	**CD224N**	Cartridge	15	-	29.00	737	17.25	438	8.25	210

Non Fusible Double Throw Safety Switches

Designed for the manual transfer of loads from one supply to another.

Double Throw Safety Switch Features:

- 240 Vac/250 Vdc, non-fusible, 2 pole.
- Type 1 indoor enclosure.
- May be padlocked ON or OFF.
- Lock-off accepts up to three padlocks.
- Modular design - switch handle, lock-plate, switch.



60A Double Throw Switch

Double Throw Safety Switch Selection

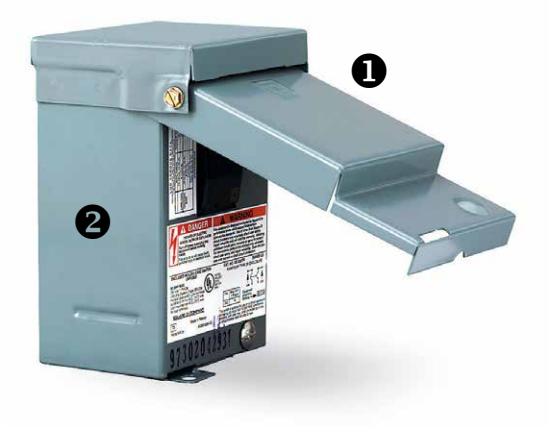
Amp Rating	Catalogue Number	Horsepower Rating - 1Ø		Product Dimensions					
				Height		Width		Depth	
		Standard	Max.	Inches	mm	Inches	mm	Inches	mm
60 A	**DTU222**	10	-	30.00	762	10.25	260	6.93	176
100 A	**DTU223**	15	-	30.00	762	10.25	260	6.93	176

Air Conditioner Disconnect

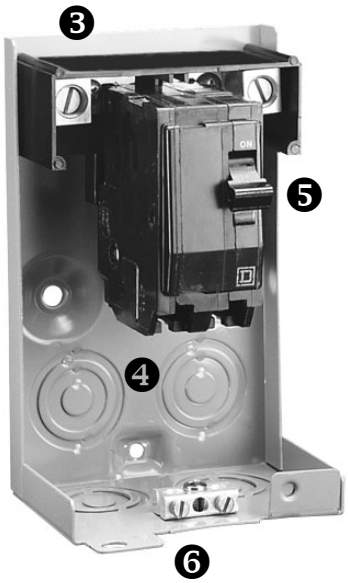
Air Conditioner disconnects allows repair personnel to safely perform maintenance on residential A/C units. The preferred moulded case switch of electrical and mechanical contractors became the industry standard over the years because of innovative Square D features. For use as a disconnecting means on residential and commercial air conditioning installations, as well as other single-phase applications, such as swimming pools and pump houses.

A/C Disconnect Features:

- Non-fusible moulded case switch.
- NEMA Type 3R metallic enclosure.
- 240 Vac single-phase, two-wire.
- Tin plated copper contacts.
- No pullout handle to misplace.
- Easy to use moulded case switch has simple on/off switch.
- Has no exposed contacts. (unlike pullout switches)



1. Removable cover housing (front, top and side walls) provides open area for mounting and convenient installation.
2. Compact, rugged long life galvanneal steel enclosure with powder coat paint for long lasting corrosion protection.



3. Easy access to wiring terminals for conductor installation.
4. Four convenient one inch combination knockout provisions on back and bottom enclosure walls provide wiring flexibility.
5. 60 A/240 Vac max. not-fusible moulded case switch included.
6. Cover padlock provision.

A/C Disconnect Selection

Amp Rating	Catalogue Number	HP Rating	Cable Size	Neutral & Ground Terminals Cu	Product Dimensions					
					Height		Width		Depth	
					Inches	mm	Inches	mm	Inches	mm
60 A	**CQO200TR**	10	#14-4	(2)#14-4	6.50	165	4.62	117	3.87	98

Optional part number PKHB (Available only in multiples of 10) mounting bracket, when used, simplifies installation for stucco, stone, brick and lapped-sided applications.



The bracket mounts directly onto the stud.



Bracket after tar paper and stucco wire have been added to the studs.



Stucco covering the bracket is chipped away.



The CQO200TR is mounted to the bracket with screws



Square D™ Pressure Switches

Water Pump, Air Compressor and Float Switches

Introduced in 1947, Square D™ brand Pumptrol pressure switches set the standard for reliability, efficiency and durability. As the most trusted brand in residential, commercial and industrial pumping applications, these switches continue to meet the needs of the water systems industry. Today, more Square D™ brand Pumptrol™ switches are installed on pumps than any other switch on the market.

Type F switches are UL and CSA listed as commercial control equipment

Type G switches are UL and CSA listed as commercial/light industrial control equipment





Water and Air Pressure Switch Features:

- NEMA Type 1 indoor enclosures
- Adjustable drift proof cut-in/cut-out settings
- Thick vertical contacts for long life and easy inspection without removal
- Hold tight terminals and frame lances for easy wiring and secure grounding
- Diaphragm actuated with an extra wide orifice to reduce clogging
- Rugged frame resists distortion when mounting to a pipe or compressor
- Maximum pressure 220 psig
- Electrical life: 100,000 cycles, Mechanical Life: 300,000 cycles
- Corrosion resistant plating – environmentally friendly, RoHS compliant
- Water Pressure switches have 3rd party low lead certification to NSF/ANSI 61 and Annex G requirements

Square D™ Pumptrol™ FSG Water Pressure Switches

For over 74 years, our Square D™ brand Pumptrol™ FSG, FYG, and FRG pressure switches have been used to monitor and control electrically driven water pumps. As the industry's gold standard, you can rely on Square D™ brand switches to do the job every time.

Applications:
Square D™ Pumptrol™ water pressure switches are ideal for rural customers who rely on wells to supply their water. The most common water pump pressure cut in and cut out settings are 20 to 40 pounds per square inch (p.s.i.), 30 to 50 p.s.i. or 40 to 60 p.s.i.

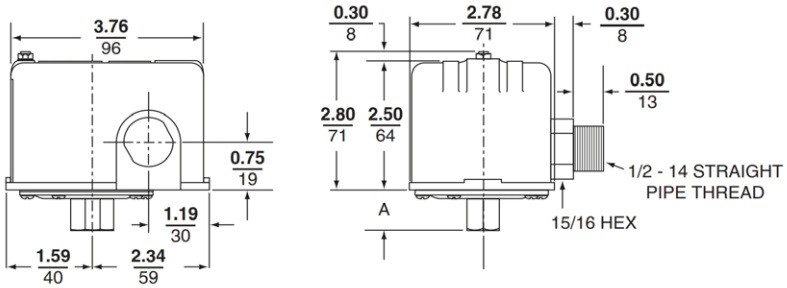
Water Pump Pressure Switches - Type FSG
Designed for use with electricially driven water pumps to directly turn the pump motor On or Off.
Standard Action: Contacts open on rising pressure; 2-Pole, NEMA 1 enclosure, adjustable differential, diaphragm actuated. Suitable for all types of water pumps: jet, submersible and reciprocating.

Catalogue Number	UPC Code	Cut-in/Cut-Out Setting(PSIG)	Cut-In Range (PSIG)	Cut-Out Range (PSIG)	Differential (PSIG)	Pressure Connection	Additional Features
FSG2J20BP	0-47569-11533-2	20-40	5-45	20-65	15-30	1/4" NPSF internal	
FSG2J20CP	0-47569-52171-3	20-40	5-45	20-65	15-30	1/4" NPSF internal	
FSG2J20PBP	0-47569-11534-9	20-40	5-45	20-65	15-30	1/4" NPSF internal	Pulsation Plug
FSG2J20PCP	0-47569-52171-3	20-40	5-45	20-65	15-30	1/4" NPSF internal	Pulsation Plug
FSG2J20M1BP	0-47569-11535-6	20-40	5-45	20-65	15-30	1/4" NPSF internal	Maintained Manual Cut Out Lever (Auto-Off)
FSG2J20M1CP	0-47569-80786-2	20-40	5-45	20-65	15-30	1/4" NPSF internal	Maintained Manual Cut Out Lever (Auto-Off)
FSG2J20M4BP	0-47569-11536-3	20-40	5-45	20-65	15-30	1/4" NPSF internal	Low Pressure Cut Off (Auto-Start-Off)
FSG2J20M4CP	0-47569-80787-9	20-40	5-45	20-65	15-30	1/4" NPSF internal	Low Pressure Cut Off (Auto-Start-Off)
FSG2J21BP	0-47569-11538-7	30-50	5-45	20-65	15-30	1/4" NPSF internal	
FSG2J21CP	0-47569-80785-5	30-50	5-45	20-65	15-30	1/4" NPSF internal	
FSG2J21M1BP	0-47569-11539-4	30-50	5-45	20-65	15-30	1/4" NPSF internal	Maintained Manual Cut Out Lever (Auto-Off)
FSG2J21M1CP	0-47569-04397-0	30-50	5-45	20-65	15-30	1/4" NPSF internal	Maintained Manual Cut Out Lever (Auto-Off)
FSG2J21M4BP	0-47569-11540-0	30-50	5-45	20-65	15-30	1/4" NPSF internal	Low Pressure Cut Off (Auto-Start-Off)
FSG2J21M4CP	0-47569-03466-4	30-50	5-45	20-65	15-30	1/4" NPSF internal	Low Pressure Cut Off (Auto-Start-Off)
FSG2J24BP	0-47569-11541-7	40-60	5-45	20-65	15-30	1/4" NPSF internal	
FSG2J24CP	0-47569-07217-8	40-60	5-45	20-65	15-30	1/4" NPSF internal	
FSG2J24M4BP	0-47569-11542-4	40-60	5-45	20-65	15-30	1/4" NPSF internal	Low Pressure Cut Off (Auto-Start-Off)
FSG2J24M4CP	0-47569-17782-8	40-60	5-45	20-65	15-30	1/4" NPSF internal	Low Pressure Cut Off (Auto-Start-Off)

Electrical Ratings				
Type (2 pole)		FSG		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	115 V	1.1 kW (1.5 hp)	1.5 kW (2 hphp)	0.18 kW (.25 hp)
	230 V	1.5 kW (2 hp)	2.2 kW (3 hp)	0.18 kW (.25 hp)
	460 / 575 V	—	0.75 kW (1 hp)	—

Switch Type	A Dimension, in. (mm)	
FSG1, FYG1	1-1/32	26
FHG2, 12, 22, 32, 42, 52, FRG2, FSG2, FYG2	29/32	23
FHG3, 13, 33, FRG3, FSG3, FYG3	1-9/32	33
FHG9, 19, 29, 39, 49, 59, FSG9, FYG9	1-3/32	28

Dimensions
Type F Compressor and Water Pump Pressure Switches



Square D™ Pumptrol™ FYG and FRG Water Pressure Switches

The type FYG and FRG water pump pressure switches are used to control electrically driven water pumps.

- Type FYG switches are designed to meet higher horsepower and pressure requirements.
- Type FRG switches are reverse acting so the contacts open on falling pressure instead of on rising pressure as is standard with the FSG and FYG

The FRG reverse action pressure switches are designed for specialty pumping applications.
These switches are available with normally open contacts making the perfect solution for applications such as:

- ➡ Pump-out – Applications designed to empty a tank use these switches to run the pump until the pressure/level is reduced to the desired point
- ➡ Pump shut down – The switch can be wired in series with the FSG standard action switch to automatically shut off pumps in case of power loss or a burst pipe
- ➡ Low level alarm – The switch can be set to trigger an alarm based on low pressure conditions

Water Pump Pressure Switches - Type FRG
Designed for use with electricially driven water pumps to direct control of the pump motor.
Reverse Action: Contacts open on falling pressure; 2-pole, NEMA 1 enclosure, adjustable differential, diaphragm actuated.

Catalogue Number	UPC Code	Cut-in/Cut-Out Setting(PSIG)	Cut-In Range (PSIG)	Cut-Out Range (PSIG)	Differential (PSIG)	Pressure Connection	Additional Features
9013FRG22J36	7-85901-05190-9	10-5	10-45	4-25	6-20	1/4" NPSF internal	
9013FRG22J19	7-85901-00085-3	22-16	23-65	8-45	15-30	1/4" NPSF internal	
9013FRG2J23	7-85901-78438-8	40-20	23-65	8-45	15-30	1/4" NPSF internal	
9013FRG2J23M3	7-85901-78439-5	40-20	23-65	8-45	15-30	1/4" NPSF internal	Momentary manual cut-in lever (Auto-Start)
9013FRG2J23M5	7-85901-00083-9	40-20	23-65	8-45	15-30	1/4" NPSF internal	Momentary manual cut-in lever (Auto-ON)
9013FRG2J35	7-85901-39903-2	50-30	23-65	8-45	15-30	1/4" NPSF internal	

Water Pump Pressure Switches - Type FYG
Designed to meet higher horsepower and pressure requirements. For use with electrically driven water pumps for direct control of the pump motor. **Standard Action**: Contacts open on rising pressure; 2-Pole, NEMA 1 enclosure, adjustable differential, diaphragm actuated.

Catalogue Number	UPC Code	Cut-in/Cut-Out Setting(PSIG)	Cut-In Range (PSIG)	Cut-Out Range (PSIG)	Differential (PSIG)	Pressure Connection	Additional Features
9013FYG2J20	7-85901-55956-6	20-40	5-60	25-80	20-30	1/4" NPSF internal	
9013FYG2J21	7-85901-20958-4	30-50	5-60	25-80	20-30	1/4" NPSF internal	
9013FYG2J24	7-85901-31966-5	40-60	5-60	25-80	20-30	1/4" NPSF internal	
9013FYG2J25	7-85901-56146-0	60-80	5-60	25-80	20-30	1/4" NPSF internal	
9013FYG2J33	7-85901-10351-6	50-70	5-60	25-80	20-30	1/4" NPSF internal	

Electrical Ratings				
Type (1 pole)		FRG		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	32 V	—	—	—
	115 V	0.75 kW (1 hp)	—	0.18 kW (.25 hp)
	230 V	0.75 kW (1 hp)	—	0.18 kW (.25 hp)
	460 / 575 V	—	—	—

Electrical Ratings				
Type (2 pole)		FRG		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	32 V	—	—	0.18 kW (.25 hp)
	115 V	0.75 kW (1 hp)	0.75 kW (1 hp)	0.18 kW (.25 hp)
	230 V	0.75 kW (1 hp)	0.75 kW (1 hp)	0.18 kW (.25 hp)
	460 / 575 V	—	—	—

Electrical Ratings				
Type (2 pole)		FYG/FYW		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	115 V	1.5 kW (2 hp)	2.2 kW (3 hphp)	0.37 kW (.50 hp)
	230 V	2.2 kW (3 hp)	3.7 kW (5 hp)	0.37 kW (.50 hp)
	460 / 575 V	—	0.75 kW (1 hp)	—

Square D™ Pumptrol™ FHG Air Compressor Switches

The type FHG compressor switch is used to control electrically driven air compressors. It is diaphragm actuated and contacts open on rising pressure, shutting off the compressor motor.

- Type NEMA 1 indoor enclosure
- Adjustable cut-out pressure
- Fixed differential with max pressure 220 psig





Air Compressor Pressure Switches - Type FHG

Designed for the direct control of motors in compressor applications. **Standard Action**: Contacts Open on Rising Pressure, 2 pole, drift-proof cut-in and cut-out settings. Non-adjustable (fixed) differential, NEMA1 General Purpose Enclosure.

Catalogue Number	UPC Code	Cut-in/Cut-Out Setting(PSIG)	Pressure Connection	Differential (PSIG)	Range (PSIG)	Additional Features
FHG2J27BP	0-47569-11543-1	80-100	1/4" NPSF internal	20	40-100	
FHG2J27CP	0-47569-17822-1	80-100	1/4" NPSF internal	20	40-100	
FHG2J27XCP	0-47569-17823-8	80-100	1/4" NPSF internal	20	40-100	2-way pressure release valve
FHG12J52XBP	0-47569-11545-5	95-125	1/4" NPSF internal	30	70-150	2-way pressure release valve
FHG12J52XCP	0-47569-17824-5	95-125	1/4" NPSF internal	30	70-150	2-way pressure release valve
9013FHG12J52M1X	7-85901-04955-5	95-125	1/4" NPSF internal	30	70-150	Maintained manual cut-out lever (Auto Off), 2-way pressure release valve
9013FHG59J52M1X	7-85901-10450-6	95-125	1/4" NPSF external	40	100-200	Maintained manual cut-out lever (Auto Off), 2-way pressure release valve
9013FHG14J52M1X	7-85901-04989-0	95-125	1/4" 4-way flange	30	70-150	Maintained manual cut-out lever (Auto Off), 2-way pressure release valve
FHG12J55CP	0-47569-17825-2	110-150	1/4" NPSF internal	30	70-150	
FHG12J55XBP	0-47569-11547-9	110-150	1/4" NPSF internal	30	70-150	2-way pressure release valve
FHG12J55XCP	0-47569-17826-9	110-150	1/4" NPSF internal	30	70-150	2-way pressure release valve
9013FHG42J59	7-85901-000090-7	135-175	1/4" NPSF internal	40	100-200	
9013FHG42J59X	7-85901-000088-4	135-175	1/4" NPSF internal	40	100-200	2-way pressure release valve
9013FHG49J59	7-85901-000091-4	135-175	1/4" NPSF external	40	100-200	
9013FHG49J59X	7-85901-05118-3	135-175	1/4" NPSF external	40	100-200	2-way pressure release valve
9013FHG59J59X	7-85901-05152-7	135-175	1/4" NPSF external	40	100-200	2-way pressure release valve
9013FHG44J59M1X	7-85901-68294-3	135-175	4-way flange	40	100-200	Maintained manual cut-out lever (Auto Off), 2-way pressure release valve
9013FHG14J52M1X	7-85901-04989-0	95-125	4-way flange	40	100-200	Maintained manual cut-out lever (Auto Off), 2-way pressure release valve
***BP = Box Package**				30	70-150	
***CP = Clam Package**						

Electrical Ratings				
Type (1 pole)		FHG		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	32 V	—	—	—
	115 V	1.1 kW (1.5 hp)	1.5 kW (2 hp)	0.18 kW (.25 hp)
	230 V	1.5 kW (2 hp)	2.2 kW (3 hp)	0.18 kW (.25 hp)
	460 / 575 V	—	0.75 kW (1 hp)	—

Electrical Ratings				
Type (2 pole)		FHG		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	32 V	—	—	—
	115 V	1.5 kW (2 hp)	2.2 kW (3 hp)	0.37 kW (.50 hp)
	230 V	2.2 kW (3 hp)	3.7 kW (5 hp)	0.37 kW (.50 hp)
	460 / 575 V	—	—	—

Square D™ Pumptrol™ 9013G Water and Air Pressure Switches

Air Compressor and Water Pump Pressure Switches - 9013GSG and 9013GHG

Type G pressure switches are UL listed and CSA certified as commercial / light industrial control equipment. The 9013G switches are used to control electrically driven water pumps and air compressors. The type G switch contacts open on rising pressure to turn off the pump motor.



Type GSG and GHG

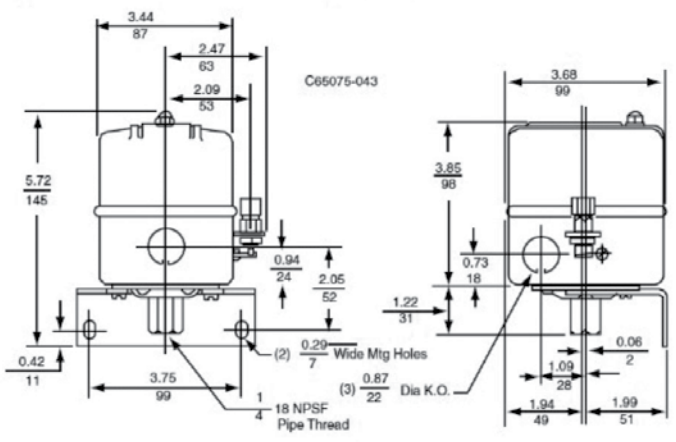
The type G commercial/light industrial switch is designed for the direct control of motors in water pumping and compressor applications that require higher electrical range. **Standard Action**: Contacts open on rising pressure, 2 pole, diaphragm actuated. Adjustable differential, NEMA 1 General Purpose Enclosure.

Catalogue Number	UPC Code	Cut-in/Cut-Out Setting(PSIG)	Pressure Connection	Differential (PSIG)	Range (PSIG) Cut-In/Cut-Out	Additional Features
9013GSG2J20	7-85901-55988-7	20-40	1/4" NPSF internal	15-30	5-60 / 20-80	
9013GSG2J21	7-85901-31977-1	30-50	1/4" NPSF internal	15-30	5-60 / 20-80	
9013GSG2J24	7-85901-56002-9	40-60	1/4" NPSF internal	15-30	5-60 / 20-80	
9013GSG2J25	7-85901-56039-5	60-80	1/4" NPSF internal	15-30	5-60 / 20-80	
9013GHG2J25	7-85901-56022-7	60-80	1/4" NPSF internal	20-40	40-170 / 60-200	
9013GHG2J29	7-85901-05277-7	75-100	1/4" NPSF internal	20-40	40-170 / 60-200	
9013GHG2J30	7-85901-55965-8	80-100	1/4" NPSF internal	20-40	40-170 / 60-200	
9013GHG2J53	7-85901-56121-7	100-125	1/4" NPSF internal	20-40	40-170 / 60-200	
9013GHG2J63	7-85901-55970-2	145-175	1/4" NPSF internal	20-40	40-170 / 60-200	
9013GHG2J30X	7-85901-55966-5	80-100	1/4" NPSF internal	20-40	40-170 / 60-200	2-way pressure release valve
9013GHG2J53X	7-85901-56031-9	100-125	1/4" NPSF internal	20-40	40-170 / 60-200	2-way pressure release valve
9013GHG2J63X	7-85901-55976-4	145-175	1/4" NPSF internal	20-40	40-170 / 60-200	2-way pressure release valve

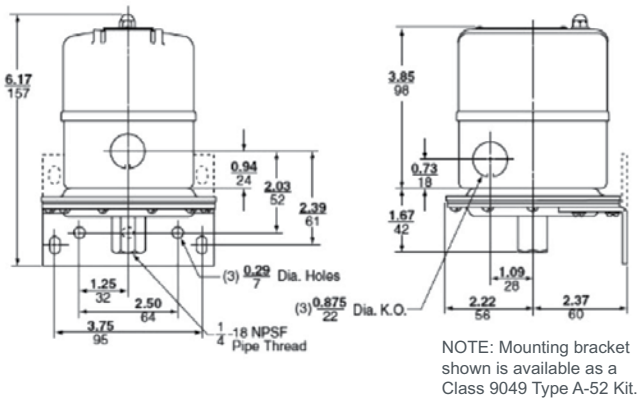
Electrical Ratings				
Type (1 pole)		G		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	32 V	—	—	—
	115 V	0.75 kW (1 hp)	—	0.37 kW (.50 hp)
	230 V	1.5 kW (2 hp)	—	0.37 kW (.50 hp)
	460 / 575 V	1.5 kW (2 hp)		—

Electrical Ratings				
Type (2 pole)		G		
Power ratings of controlled motors	Voltage	~ 1 Ø Vac	~ 3 Ø Vac	Vdc
	32 V	—	—	—
	115 V	1.5 kW (2 hp)	2.2 kW (3 hp)	0.75 kW (1 hp)
	230 V	2.2 kW (3 hp)	3.7 kW (5 hp)	0.75 kW (1 hp)
	460 / 575 V	3.7 kW (5 hp)	3.7 kW (5 hp)	—

Type G Compressor and Water Pump Pressure Switches



Switch Type: GHG, GSG (with Form X installed)



NOTE: Mounting bracket shown is available as a Class 9049 Type A-52 Kit.

Square D™ Float Switches

Type 9036FG, DG, GG and 9037HG

Square D™ float switches are designed for liquid level control with electric motor operated pumps either directly or through a magnetic starter.

The pedestal style type FG30 is designed for liquid level control can be used to activate alarms in liquid level control systems. The upward or downward movement of the lever arm of the float switch controls the "ON" and "OFF" positions corresponding to the water level changes required to turn the pump or alarm on or off.



Sump or Open Tank Pedestal Style - 9036FG Float Switch

- Designed for liquid level control with electric motor operated pumps, either directly or through a magnetic starter
- Used to active alarms in a liquid level control system
- Upward or downward movement of the lever arm turns the pump or the alarm ON or OFF according to the liquid water level

Catalogue Number	UPC Code	type	Description
9036FG	7-85901-33079-0		Universal kit which includes switch, plastic centre hole float, rod and attaching hardware
9036FG30	7-85901-00920-7	Switch only	Contacts open or close on liquid rise 2-pole NEMA 1 enclosure
9049A60	7-85901-00921-4	Float	Plastic centre hole float
9049A61	7-85901-00922-1	Rod	33.75 inch aluminum rod, 2 float stop assemlies and attaching hardware

The sump or open tank type 9036DG or 9036GG float switch is double-pole rated, 3 phase. 2 HP @ 115 Vac and 3 HP @ 230 Vac. These float switches are designed for automatic control of liquid level in open sump or thanks handling small motor loads directly or through a starter. The DG switches are available with NEMA Type 1 indoor enclosures. The heavier duty type GG switch is intended for light commercial and industrial applications. Double pole switches are rated for 3HP @ 115V – 3 phase or 5HP @240V 3 phase.

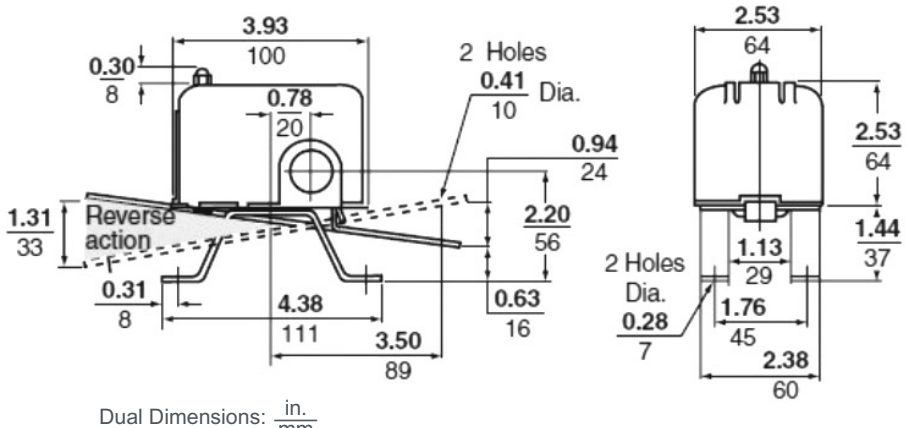
Sump or Open Tank Style - 9036DG or 9036GG Float Switch

- Lever operated switch designed for open tank or sump level control applications, either directly or through a magnetic starter
- Can be floor or pedestal mounted. NEMA 1 General Purpose enclosure rating
- Upward or downward movement of the lever arm turns the pump or the alarm ON or OFF according to the liquid water level
- Type GG is heavier duty for light commercial or industrial applications. Type DG and GG have NEMA 1 rated enclosures

Catalogue Number	UPC Code	type	Description	Force up to trip	Force Down to trip	Level position
9036DG2	7-85901-57521-4	Switch only	Contacts close on liquid rise	9 oz	8 oz	n/a
9036DG2R	7-85901-57643-3	Switch only	Contacts close on liquid rise	9 oz	8 oz	n/a
9036GG2	7-85901-57542-9	Switch only	Contacts close on liquid rise	33 oz	39 oz	
9036GG2R	7-85901-57543-6	Switch only	Contacts close on liquid rise	33 oz	39 oz	
9049A6	7-85901-59704-9	Tapped-at-top float and rod kit		– – – – –	– – – – –	– – – – –
9049A6S	7-85901-59736-0	Float and rod kit		– – – – –	– – – – –	– – – – –
9049A6C	7-85901-59706-3	Centre-hole float and rod kit		– – – – –	– – – – –	– – – – –
9049A6CS	7-85901-59735-3	Float and rod kit		– – – – –	– – – – –	– – – – –
9049T1	7-85901-34988-4	additional tubing		– – – – –	– – – – –	– – – – –
9049T1S	7-85901-34990-7	additional tubing		– – – – –	– – – – –	– – – – –

Square D™ 9036DG, FG, GG, DG and Float Switch Dimensions

Figure 4: Type DG Dimensions

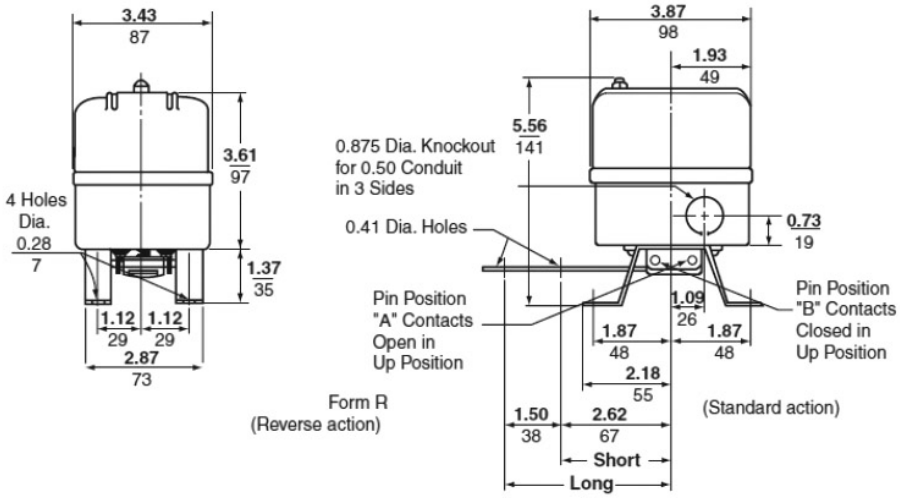


Dual Dimensions: in. / mm



9036FG
9049A60
9049A61

Figure 6: Type GG Dimensions



Lever Arm Travel between Closing and Opening of Contacts
Standards: Short = 0.375 in. (10 mm), long = 0.625 in. (16 mm)
Form R: short = 0.5 in. (13 mm), long = 0.75 in. (19 mm)

Type DG, GG, HG Electrical Ratings

Class 9036, 9037 Electrical Ratings

Class	Type	Single Phase AC Ratings (hp)			Polyphase AC Ratings (hp)			DC (hp)			Control Circuit Rating
		115 V	230 V	460/575 V	115 V	230 V	460/575 V	32 V	115 V	230 V	
9036	D (2 pole)	2	3	—	3	5	1	0.25	0.5	0.5	A600
	G (2 pole)	2	3	5	3	5	5	0.5	1	1	A600
9037	H (2 pole)	2	3	—	3	5	1	0.25	0.5	0.5	A600

Square D™ Float Switches

The 9037HG is a closed tank type switch with a NEMA type 1 indoor enclosure, double-pole rated for 2HP @115Vac, 3HP @ 230Vac. These switches attach to the tank by means of a 2 1/2"threaded bushing and come complete with a stainless steel float and rod.

Buna N Quad-Ring® seals are used between the float rod and sealing connector. These float switches can withstand tank pressure up to 50 psig at temperatures of up to 220°F.



9036HG

Closed Tank - Screw-in Style - 9037HG Float Switch

- Type HG is a side or top mounted float switch that attaches to the tank with a 2 1/2" threaded bushing. These switches come complete with stainless steel float and rod
- NEMA 1 General Purpose enclosure rating
- Float movement is transmitted through a quad ring seal to turn the pump motor ON or OFF
- The HG float switch can be mounted on the top or side of a closed tank application

Catalogue Number	UPC Code	Description	Float Position	Float Rod Angle	Minimum	Maximum
9037HG30	7-85901-07553-0	Contact close on liquid rise	Left	90° offset	2"	8 1/4"
9037HG31	7-85901-07552-3	Contact close on liquid rise	Right	90° offset	2"	11 1/2"
9037HG32	7-85901-07551-6	Contact close on liquid rise	Left	90° offset	2"	11 1/2"
9037HG33	7-85901-07562-2	Contact close on liquid rise	Right	45° offset	2"	5"

Figure 14: Type HG — 45° Angle Dimensions

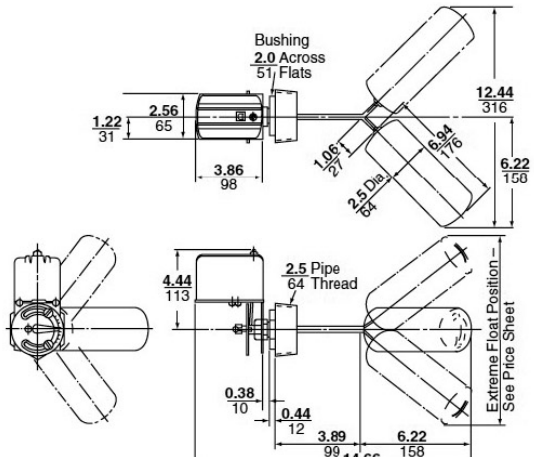
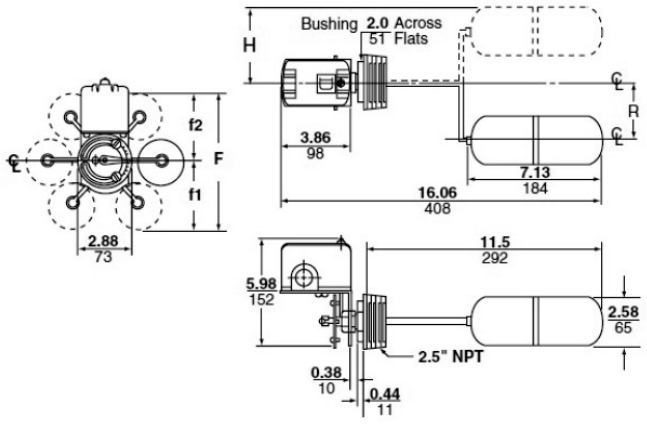


Figure 15: Type HG — 90° Offset Dimensions





Square D™ Wiring Devices

Simplified upgrades By Design X Series

Contemporary Look. Simple clean flush look across entire range in Matte finish.

With X you're no longer limited to white cover plates. New colours in matte finishes, such as gray, light almond, and black, accommodate many styles of décor.

Connected Home. Control with Smart Switches, Receptacles and Dimmers.

Harness Wi-Fi and Z-Wave connectivity to bring intelligent control to any plug or switch. Our connected receptacles become a key piece of the connected home, allowing you to control your receptacles and lights remotely.

Comfort and convenience with built-in connectivity.

Ease of Installation. Side pressure plates and self-grounding









SQUARE D™ X Series

Available in four colours:


White (WH)


Light Almond (LA)


Gray (GY)


Black (BK)

Colour legend

WH = White
LA = Light Almond
GY = Gray
BK = Black
XX = no colour

Connected legend

W = Wi-Fi
Z = Z-Wave
Blank if not connected

Connected devices (with energy monitoring)

Description	Catalog No.	Colour	Connected
Wi-Fi switch single pole / 3-way	SQR141U1	WH, LA, BK	W
Wi-Fi 600 W dimmer single pole / 3-way	SQR226U1	WH, LA, BK	W
Wi-Fi 15 A TR receptacle	SQR441U1	WH, LA, BK	W
Wi-Fi 15 A plug-in outlet	SQR621U1	WH	W
Z-Wave switch single pole / 3-way	SQR14102	WH, LA, BK	Z
Z-Wave 600 W dimmer single pole / 3-way	SQR22102	WH, LA, BK	Z
Z-Wave remote switch / dimmer	SQR50101	WH, LA, BK	Z
Z-Wave 15 A TR receptacle	SQR44102	WH, LA, BK	Z
Z-Wave 15 A plug-in outlet	SQR62102	WH	Z





Dimmers

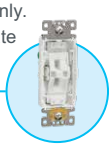
Description	Catalog No.	Colour
Rocker dual-LD dimmer 600 W residential single pole	SQR22601	WH, LA, BK, GY
Slide dual-LD dimmer 600 W residential single pole	SQR22603	WH, LA, BK, GY



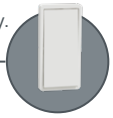
Switches

Description	Catalog No.	Colour
Switch module residential single pole 10 pack	SQR14100	XX
Switch module residential single pole	SQR14101	XX
3-way switch module residential 10 pack	SQR14130	XX
3-way switch module residential	SQR14131	XX
4-way switch module	SQR14141	XX
Momentary switch module residential single pole	SQR14103	XX
Switch module single pole 20 A	SQR14201	XX
3-way switch module 20 A	SQR14231	XX
Switch module rocker plate 10 pack	SQR16100	WH, LA, BK, GY
Switch module rocker plate	SQR16101	WH, LA, BK, GY
Switch residential single pole white 30 pack	SQR14103	WH

Switch module only.
Select rocker plate below.



Rocker plate only.





Includes rocker plate - installed.

Sensors

Description	Catalog No.	Colour
Occupancy sensor light control single pole	SQR73101	WH, LA, BK, GY
360-degrees ceiling mount occupancy sensor	SQR73102	WH
Occupancy / humidity sensor and fan / light control	SQR73105	WH, LA, BK, GY



Fan control

Description	Catalog No.	Colour
Slide fan 3-speed control single pole	SQR31103	WH, LA, BK, GY



SQUARE D™ X Series

Available in four colours:


White (WH)


Light Almond (LA)


Gray (GY)


Black (BK)

Colour legend

WH = White
LA = Light Almond
GY = Gray
BK = Black
XX = no colour

Connected legend

W = Wi-Fi
Z = Z-Wave
Blank if not connected

Receptacles

Description	Catalog No.	Colour
TR 15 A receptacle residential 30 pack	SQR44103	WH
TR 15 A receptacle residential 10 pack	SQR44102	WH
TR 15 A receptacle residential	SQR44101	WH, LA, BK, GY
WR / TR 15 A receptacle residential	SQR44104	WH
TR 15 A receptacle commercial	SQR44111	WH, LA, BK, GY
WR / TR 15 A receptacle commercial	SQR44114	WH
TR 20 A receptacle commercial 30 pack	SQR44203	WH
TR 20 A receptacle commercial 10 pack	SQR44200	WH
TR 20 A receptacle commercial	SQR44201	WH, LA, BK, GY
WR / TR 20 A receptacle commercial	SQR44214	WH





TR 15 A duplex outlet residential 30 pack	SQR42103	WH
TR 15 A duplex outlet residential	SQR42101	WH, LA, BK, GY
WR / TR 15 A duplex outlet residential	SQR42104	WH
TR 15 A single outlet commercial	SQR42100	WH, LA, BK, GY
TR 20 A duplex outlet commercial	SQR42201	WH, LA, BK, GY
WR / TR 20 A duplex outlet commercial	SQR42204	WH



Dryer outlet 30 A NEMA 14-30 R	SQR46301	BK
Range outlet 50 A NEMA 14-50 R	SQR46501	BK



TR GFCI 15 A receptacle residential	SQR51101	WH, LA, BK, GY
WR / TR GFCI 15 A receptacle residential	SQR51103	WH
TR GFCI 20 A receptacle commercial	SQR51201	WH, LA, BK, GY
WR / TR GFCI 20 A receptacle commercial	SQR51203	WH
TR 15 A lighted receptacle residential	SQR57101	WH, LA, BK, GY
USB A / A 4.8 A charger TR duplex 15 A receptacle	SQR55141	WH, LA, BK, GY
USB A / A 4.8 A charger TR duplex 20 A receptacle	SQR55241	WH, LA, BK, GY
USB A / C 5.4 A charger TR duplex 15 A receptacle	SQR55153	WH, LA, BK, GY



Data and communication

Description	Catalog No.	Colour
AV brush strap	SQR871011	WH
Data cat 6 RJ45 strap	SQR87601	WH, LA, BK, GY
CATV F coupler strap	SQR87C01	WH, LA, BK, GY
Tel RJ11 4P4C strap	SQR87T01	WH, LA, BK, GY
CATV / Tel F / RJ11 4P4C strap	SQR87CT1	WH, LA, BK, GY



SQUARE D™ X Series

Available in four colours:


White (WH)


Light Almond (LA)


Gray (GY)


Black (BK)

Colour legend

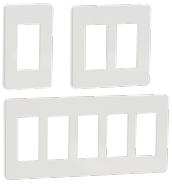
WH = White
LA = Light Almond
GY = Gray
BK = Black
XX = no colour

Connected legend

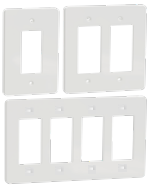
W = Wi-Fi
Z = Z-Wave
Blank if not connected

Wall plates

Description	Catalog No.	Colour
1-gang screwless matte wall plate	SQWP141001	WH, LA, BK, GY
2-gang screwless matte wall plate	SQWP141002	WH, LA, BK, GY
3-gang screwless matte wall plate	SQWP141003	WH, LA, BK, GY
4-gang screwless matte wall plate	SQWP141004	WH, LA, BK, GY
5-gang screwless matte wall plate	SQWP141005	WH, LA, BK, GY



1-gang mid+ wall plate	SQWS141001	WH, LA, BK, GY
2-gang mid+ wall plate	SQWS141002	WH, LA, BK, GY
3-gang mid+ wall plate	SQWS141003	WH, LA, BK, GY
4-gang mid+ wall plate	SQWS141004	WH, LA, BK, GY
5-gang mid+ wall plate	SQWS141005	WH, LA, BK, GY



1-gang mid+ duplex outlet wall plate	SQWS422011	WH, LA, BK, GY
2-gang mid+ 2 duplex outlet wall plate	SQWS422012	WH, LA, BK, GY
1-gang mid+ single outlet wall plate	SQWS422001	WH, LA, BK, GY
2-gang mid+ 1 duplex 1 deco wall plate	SQWS802452	WH, LA, BK, GY

Specialty covers

Description	Catalog No.	Colour
1-gang blank wall plate	SQWS140001	WH, LA, BK, GY
2-gang blank wall plate	SQWS140002	WH, LA, BK, GY
1-gang dryer / range outlet wall plate	SQWS461011	WH

Outdoor weatherproof covers

Description	Catalog No.	Colour
1-gang weatherproof clear cover universal	SQWS83211	XX
2-gang weatherproof clear cover universal	SQWS83221	XX


Vertical mount

SQUARE D™ X Series

Achieve real-time energy monitoring and smaller energy bills with connected home solutions.

Square D X Series connected devices

Connect your switches, dimmers, and receptacles via Wi-Fi and Z-Wave



se.com/ca/wiringdevices



Easy cleaning

No crevices where
germs can hide



se.com/ca/wiringdevices



Stab-lok™ Circuit Breakers

Stab-lok™



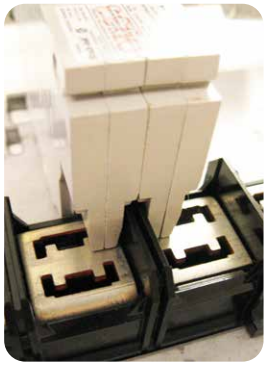
Stab-lok™ breakers are fully interchangeable with all past breakers and deliver the same proven quality. These breakers are CSA approved to work only in Federal Pioneer branded residential panels.

Stab-lok™ Breaker Features:

- Provides overload and short circuit protection.
- Colour coded handles: identification is quick and easy with separate colours representing different ampere ratings.
- Provides Slot/Robertson screws.
- Thermal magnetic trip protection.
- Calibrated at 40 degrees Celsius.
- Arc resistant case.

FAST FACTS

2 Pole Stab-lok breakers must be installed 'across' the black dividers on the busbar for 240V output voltage.



Circuit Breaker Product Selection Guide

Plug-On Circuit Breakers Selection - 10,000 AIR

Amp Rating	Type	One Pole 120 Vac	Lug Range	Two Pole 240 Vac	Lug Range
15 A	NC	NC015CP❶	#14-#6	NC0215CP	#14-#6
20 A		NC020CP❶		NC0220CP	
25 A		NC025CP		NC0225CP	
30 A		NC030CP		NC0230CP	
40 A		NC040CP		NC0240CP	
50 A				NC0250CP	#14-#4
60 A				NA260CP	
70 A				NA270CP	
100 A				NA2P100CP	#4-2/0
125 A				NA2P125CP	#4-2/0
150 A				NA2P150CP❷	#4-2/0

❶Single Pole 15 A and 20 A breakers are Switching Duty Rated (SWD). Suitable for switching 120 Vac fluorescent lighting loads.
❷NA2P150 rated 150 A when used with copper conductor only.

Notes:
- 1 Pole NA breakers take 2 NC breaker spaces.
- 2 Pole NA breakers take 4 NC breaker spaces.
- Use solid conductor only when #14 wire is used.

Colour coded breaker handles:

NC015CP/NC0215CP - Black/Blue
NC020CP/NC0220CP - Red
NC030CP/NC0230CP - Green
NC040CP/NC0240CP - Grey
Greater than 50A breakers - Black



Stab-lok One Pole Breaker
1 Space Required



Stab-lok Two Pole (NA) Breaker
4 Spaces Required

Stab-lok™ Arc Fault Breakers

Stab-lok™ Arc Fault Circuit Breaker Features:

- Detects unintended arc faults, overloads and short circuits.
- **For replacement only, not suitable for use as combination arc fault applications as defined in the 2015 CEC and later editions.**

Plug-On Arc Fault Circuit Breakers Selection

Amp Rating	One Pole 120 Vac
	10,000 AIR
15 A	NA15AFICP
20 A	NA20AFICP



15 A Arc Fault Breaker
2 Spaces Required

Stab-lok™ Main Breakers

Use QO Main Circuit Breakers found on page 26



100A Main Breaker

Stab-lok™ Accessories

Accessory Selection

Accessory	Description	Catalogue Number
Filler Plates	Fills branch breaker openings in cover	**PF1CP**
Replacement Amalgamated Electric Fuse Holders	Twin Single Pole Plug-In Head 15 to 30A	**7301CP**
	Two Pole Plug-In Fuse Head 15 to 30A	**7302CP**



PF1CP



7301CP



7302CP



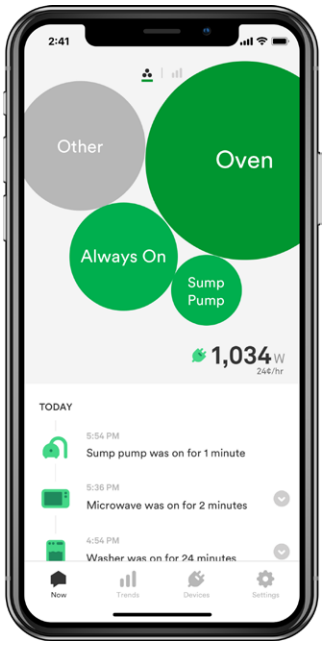
Wiser Energy System

Residential Energy Monitoring

Wiser Energy™ System from Schneider Electric, is an integral part of any smart home. It helps you keep tabs on your home by notifying you when devices are on or off and monitors energy usage in real time, for a safer and more efficient home.

Adding Wiser Energy to your electrical panel will allow you to make your home safer, greener and more efficient

- Easy to use intuitive mobile app from Sense
- Always learning and self identifies devices in your home
- Set custom alerts for devices in your home such as when the garage door opens, the sump pump turns on, or when the dryer's done
- Displays energy consumption by appliance, i.e. refrigerator or pool pump, air conditioner or electric hot water heater
- 24/7 real-time view of energy consumption and production (Solar)
- Set budgets to manage your energy expenditures before you get a bill
- Simple installation into new or existing electrical panel, by certified electrician



Works with a growing list of smart devices like Google Home,™ Philips Hue, Wemo® Insight™ and Kasa™ smart plugs.

Wiser Energy Components



Specifications

Catalog Number		WISEREM	WISEREMPV	WISERCTPV
Technical Description		Wiser Energy Disaggregation Monitoring	Wiser Energy Solar Disaggregation Monitoring	Wiser Energy Solar CT Kit
Compatibility		120VAC (90V-130V), 60Hz 120V split-phase service		
		Suitable for indoor or outdoor rated panels		
Current Transformers	CT Specs	CAT III 300V 200A max		
	CT Type	Split-core		
	Cable Length	46"		
	Inside Diameter	1"		
Wireless	Wifi	802.11b/g/n Wi-Fi		N/A
	Bluetooth	Y		N/A
	Bandwidth	~300MB/day		N/A
Signal Processing	Sampling Rate	1MHz		N/A
	Data Points/Second	4M		N/A
	Processor	1GHz ARM		N/A
Power Consumption		< 5W, 0.1A		N/A
NEMA Type (Hub)		IPX0	IPX0	N/A
Environmental Ratings	Temperature	32-140ºF (0-60ºC)		
	Elevation	< 6561 ft. (2,000m)		
Certification		cETLus, FCC Conforms to UL STD 61010-1; UL STD 61010-2-032; Certified to CSA STD C22.2 No. 61010-1; Conforms to CAN ICES-3(B)/NMB-3(B)	cETLus, FCC Conforms to UL STD 61010-1; UL STD 61010-2-032; Certified to CSA STD C22.2 No. 61010-1; Conforms to CAN ICES-3(B)/NMB-3(B)	cETLus, FCC Conforms to UL STD 61010-1; UL STD 61010-2-032; Certified to CSA STD C22.2 No. 61010-1; Conforms to CAN ICES-3(B)/NMB-3(B)
RoHS Compliant?		Y	Y	Y
Mechanical Specs	W x H x D (mm)	137 x 66 x 32	137 x 66 x 32	85.73 x 50.8 x 19.05
	W x H x D (in)	5.4" x 2.6" x 1.3"	5.4" x 2.6" x 1.3"	3.375" x 2" x .75"



Dexson

Safe and efficient solutions for cable management applications Dexson is a line of products with several sizes of trunking, mini-trunking, installation and fastening solutions.

Trunking

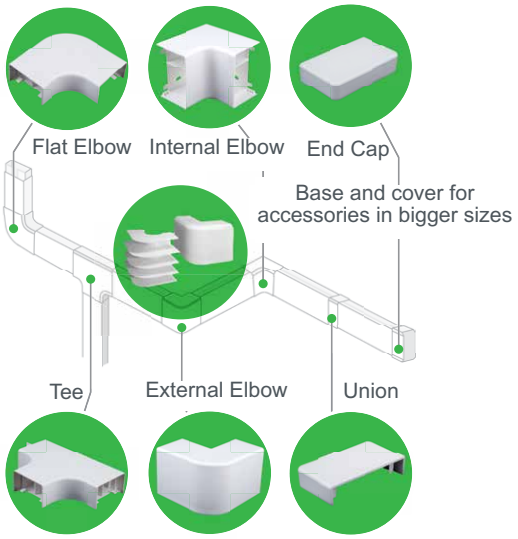
Dexson Trunking is a universal installation trunking system for all types of wiring devices.

The trunking is available in PVC and its PC/ ABS accessories are white. PVC Dexson Trunking is available in 4 sizes (40x40mm, 40x25mm, 60x40mm and 100x45mm). Dexson Trunking has different front openings, allowing 45x45 module wiring devices, c/c 60 standard wiring devices with dedicated accessory, and modular devices to be installed by means of adaptors and dedicated plastic outlet boxes for NEMA standard receptacles.

Benefits:

Adaptors and boxes with several unique installation benefits.

- High capacity and safe wire connections.
- Easy handling – trunking base and cover packed together/assembled.
- Protective foil on front cover trunking.
- Flexible cable retainer on trunking to make installation easy (applies for 40x25 and 40x60
- Easy installation – symmetrical design and click-in mounted accessories



Trunking Accessories and References

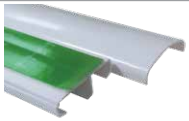
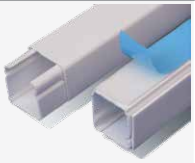
Dexson Trunking accessories guarantee a bend radius of 1" for properly routing cables, especially for fibre optic and UTP. Meets TIA/EIA 568A and 569A standards.

	B / A							
Cross Section	mm	White Trunking	External Elbow	Internal Elbow	Flat Elbow	Tee	End cap	Union
	10x10	DXN10021E	DXN11021E	DXN11022E	DXN11023E	DXN11024E	DXN11025E	DXN11026E
	13x7	DXN10031E	DXN11031E	DXN11032E	DXN11033E	DXN11034E	DXN11035E	DXN11036E
	20x12	DXN10041E DXN10051E	DXN11041E	DXN11042E	DXN11043E	DXN11044E	DXN11045E	DXN11046E
	22x10	DXN10461	DXN11171E	DXN11182E	DXN11203E	DXN11019E	DXN11175E	DXN11216E
	20x20	DXN10061E DXN10071E	DXN11051E	DXN11052E	DXN11053E	DXN11054E	DXN11055E	DXN11056E
	25x25	DXN10081E DXN10091E	DXN11061E	DXN11062E	DXN11063E	DXN11064E	DXN11065E	DXN11066E
	32x12	DXN10101E	DXN11071E	DXN11072E	DXN11073E	DXN11074E	DXN11075E	DXN11076E
	40x12	DXN10471	DXN11181E	DXN11192E	DXN11213E	DXN11020E	DXN11185E	DXN11226E

Mini Trunking

All Dexson mini-trunking is highly impact resistant, due to its design and generous material thickness. Outdoor & Indoor Dexson mini-trunking achieves an IP40 degree of protection due to its sealed, sturdy design, making it suitable for both, indoor and outdoor installations.

Trunking References

Image	Type	Colour	Dimensions W x H x L (mm)			Comercial Ref.	Description
	W/o compartment	Polar White	10	10	2000	DXN10021E	Trunking White 10x10 Adhes
	W/o compartment	Polar White	20	12	2000	DXN10051E DXN10041E	Trunking White 12x20 Adhes Trunking 20x12 PVC White
	W/o compartment	Polar White	22	10	2000	DXN10461	Trunking 22x10 Adhes, PVC White
	W/o compartment	Polar White	20	20	2000	DXN10061E DXN10071E	Trunking White 20x20 Trunking 20x20 Adhes, PVC White

Mini-trunking






Heavy duty adhesive tape

All Dexson mini-trunking is available with an outdoor resistant adhesive tape.

Integrated cable retainer

To simplify installation even more, the range includes an integrated cable-retaining function.
The flexible “wings” prevent cables from falling out during installation.

Protective foil

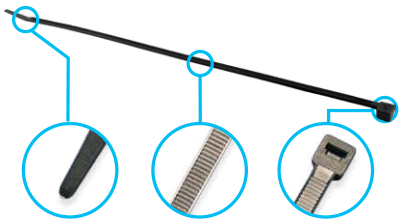
Make a cleaner and damage-free installation with the Dexson protective foil.

Cable separation

Mixed installations in which power and data wiring is run to the same point are becoming increasingly common. This is why Dexson mini-trunking is available with compartments, so that the entire installation can be accommodated in one trunking.

Installation Materials Dexson Cable Ties

Cable ties are suitable for a wide range of application including cable harnessing and fastening Material PA6.6. Available in black and white colour. Operating temperature -40ºC. → 85ºC. Application suitable for indoor and outdoor use.



Colour	Dimensions		Resistance	Commercial Ref.	Description	Packaking Units
	Length (In)	Width (In)	(LbF)			
Black, white	4”	0,1	18	DXN3004B DXN3004N	Cable Tie T4 hard work	100 Units.
Black, white	6”	0,13	40	DXN3006B DXN3006N	Cable Tie T6 hard work	100 Units.
Black, white	8”	0,18	50	DXN3008B DXN3008N	Cable Tie T8 hard work	100 Units.
Black, white	10”	0,19	50	DXN3010B DXN3010N	Cable Tie T10 hard work	100 Units.
Black, white	12”	0,19	50	DXN3012B DXN3012N	Cable Tie T12 hard work	100 Units.
Black, white	14”	0,19	50	DXN3014B DXN3014N	Cable Tie T14 hard work	100 Units.
Black, white	14”	0,3	120 LbF	DXN3014BH DXN3014NH	Cable Tie T14HD hard work	100 Units.
Black, white	21”	0,31	120 LbF	DXN3021B DXN3021N	Cable Tie T21 hard work	100 Units.



Mobiya LED Lantern

Solar rechargable LED Lantern Lighting System

The Mobiya lantern is portable, lightweight, durable and water resistant – ideal for camping, boating, hiking, beach parties, backyard or emergency lighting. Recharge the Mobiya lantern with the included solar panel or USB universal charging cable.

Features:

- 3 brightness levels
- Up to 48 hours of use on a single charge
- Multipurpose: use as a lantern, or charge your phone
- Water resistant up to 0.5m depth for 1 hour
- Colour of LEDs: Warm White 5000k
- Battery Type: 3.2 V, 3,000 mAh
- Package contents: portable Lamp, solar panel with 5m cable, universal mobile charging cable - with USB Micro-B, USB Mini-B cables



Catalogue Number	Product Dimensions					
	Height		Width		Depth	
	Inches	mm	Inches	mm	Inches	mm
AEPLB01SU12W	6.14	156	5.59	142	5.59	142



LED Outdoor lightning solutions

Mureva Lights
A new range of outdoor LED lighting products.

Welcome to a bright new future!

Beautiful to look at and simple to install, our Mureva Lights are designed to meet all your needs – and built to last. By focusing on innovation and quality, we've created uniquely esthetic and dependable products that we believe outshine all others.

General Features:

- Stylish and Robust – Can endure toughest conditions
- Designed to illuminate large areas, our LED floodlights are so powerful that the effect often feels like daylight
- Ultra slim design in line with the global design trend for minimizing size and the use of space,
- Lower position of the bracket for easy installation
- Ergonomically designed to be fitted quickly
- Frosted glass for high-end finishing



Ultra slim design

In line with the global design trend for minimizing size and the use of space, our slimline lights can be easily integrated into any environment.

Lower position of the bracket for easy installation

Ergonomically designed to be fitted quickly, easily, and intuitively by anyone – saves more than 50% of installation time.







Frosted glass for high-end finishing

Stylish lighting fixture, made with high-end finishing that integrates beautifully into any home or business environment.

Brilliant Security Solutions

The Mureva range floodlights by Schneider Electric are an excellent solution for security systems. Their intensely bright light enables cameras to capture images more clearly. And motion sensor lights provide a strong deterrent to intruders, while enabling owners to move outside more safely.

The Mureva Lights are ideal for home use, from garages and gardens to flats and basements. And also perfect for business use, from underground car parks and sports halls to hospitals and warehouses.





High efficiency LED

The LEDs are optimized for cost efficiency, providing a highly competitive lumen per dollar performance, while meeting the stringent performance and reliability standards required for modern lighting applications.



Transparency of product specs

Full technical specs are laser printed onto each product, perfect for maintenance purposes and installation on site, where different power lamps are installed.



Long range detector

The long range motion sensor lights provide an added security feature and act as a strong deterrent for intruders.

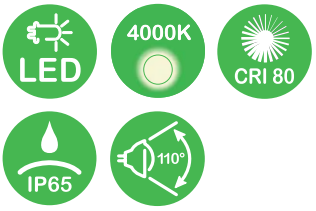


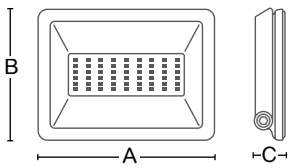
Easy adjustment

Ability to easily change the setup any time without using any tools.

	Catalogue Number	Power (W)	Lumens	Weight (lb)	Dimension (in) A x B x C
	IMT47234	30	3150	1.72	7.5" x 5.57" x 1.05"
	IMT47235	50	5250	2.25	8.5" x 6.35" x 1.25"
	IMT47236	100	10500	4.30	11.35" x 8.52" x 1.55"
	IMT47237 with motion sensor	50	5250	2.34	8.5" x 8.75" x 1.25"

Specifications	
Cable Length (m)	0.5 m H05RN-F 3G1.0
IP rating	IP65
IK rating	IK05
Operation Temperature	-30° + 45°C
CRI	80
Power Factor (PF)	0.9
Beam Angle	110°
Lifetime (hours)	50,000h
Lumens	105 lm/w
Colour temperature	4000K
Voltage	120V
Energy Class	A+







Eligible for government energy rebates



LED Work Lamp

Thorsman

The LED Thorsman Worklight range offers a simple and cost-effective solution for any workplace or area where a temporary light solution is required. All products in the range are equipped with the latest LED technology to offer greater energy efficiency, light quality and a longer lifetime.
The Thorsman Worklight range comes in various plug standards.

Application

Due to its high IP rating, the Thorsman light range is suitable for installation in all types of weather conditions, both indoors or outdoors. Perfect for all kind of professionals, as well as private uses such as camping, outdoor parties and more. Thorsman Worklights can be used anywhere and at any time.

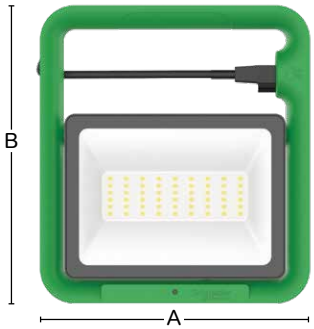
Benefits:

- Ergonomic design: easy to transport and carry
- Multi-functional and flexible: can be used on the ground or hung
- Compact and easy to store
- Cable management: prevents cable damage when stored
- Can be used in harsh weather conditions, indoors and outdoor
- Efficient LED technology: 105 lm/W
- High performance of LED chip: lifetime 50,000 h



Specifications	
Cable Length (m)	3 m
IP rating	IP65
IK rating	IK05
Operation Temperature	-30° + 45°C
CRI	80
Power Factor (PF)	0.9
Beam Angle	110°
Lifetime (hours)	50,000h
Lumens	105 lm/w
Colour temperature	4000K
Voltage	120V





	Catalogue Number	Power (W)	Lumens	Weight (lb)	Dimension (in) A x B
	IMT47233	30	3150	2.42	9'' x 10''

LED Work Lamp










LED Head Light

Thorsman

The LED Thorsman Head Light range offers a simple and cost-effective solution for any workplace or area where a temporary light solution is required.

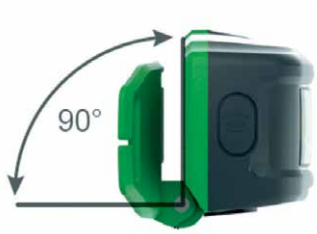
Benefits:

- Ergonomic design: easy to transport and carry
- Multi-functional and flexible: can be used on the ground or hung
- Compact and easy to store
- Can operate in harsh weather conditions
- High performance LED
- Motion detector for power saving
- Flexible strap with comfortable head fitting
- Suitable for helmets
- Long operation time up to 5hr



Specifications	
Lumens	125/250
Power (W)	3
Voltage (V)	3.7
Colour Temperature	6000-7000
IP Rating	IP54
IK Rating	IK07
Operation temperature	-10 to +40°C
Charging Time (h)	4
Battery Type	1600mAh lithium
Operation Modes	Low/High/Motion





	Catalogue Number	Power (W)	Operation Time (h)	Weight (lb)	Dimension (in)
	IMT47239	3	5/3	0.34	3.93 x 1.96 x 1.57

LED Head Light









Green Premium™ RoHS compliant



LED Hand Light

Thorsman

The LED Thorsman Hand Light range offers a simple and cost-effective solution for any workplace or area where a temporary light solution is required.

Benefits:

- Ergonomic design: easy to transport and carry
- Multi-functional and flexible: can be used on the ground or hung
- Compact and easy to store
- Strong magnet to ensure attachment to metal surfaces
- High performance LED
- Long operation time up to 8hr



Specifications	
Lumens	100/280
Power (W)	3
Voltage (V)	3.7
Colour Temperature	6000-7000
IP Rating	IP20
IK Rating	IK07
Operation temperature	-10 to +40°C
Charging Time (h)	3
Battery Type	1500mAh lithium
Operation Modes	Low/High





	Catalogue Number	Power (W)	Operation Time (h)	Weight (lb)	Dimension (in) H x W x D
	IMT47238	3	8/3.15	0.36	4.92 x 2.56 x 1.38

LED Hand Light











Pushbuttons

Point-of-Purchase packaging provides convenient solutions for control, signaling, and relay products

Need to grab and go? Visit your local Schneider Electric distributor today to grab the right products conveniently packaged together with all the selection and accessories you need. Point-of-Purchase packaging does all the thinking for you so that you can just grab what you need — and go!


30 mm pushbuttons


30 mm pilot light


30 mm control station

30 mm products

Features and Benefits:

- Heavy-duty pushbuttons, selector switches, and pilot lights for industrial applications
- Oiltight, watertight, and dustproof (rated for NEMA® Types 4 and 13 environments without boots)
- Includes multiple color inserts or legend plates (where applicable) — use what you need, discard what you don't
- Fingersafe® terminals for improved safety
- UL® listed, CSA® approved, CE per IEC®

Description	POP Catalogue Number	Package includes
30 mm pushbutton with contact block and multi colors	9001AB1	9001KR1U + KA1 + KN201 + KN202
30 mm push/pull mushroom	9001AB2	9001KR9R + 9001KA1
30 mm mushroom with legend	9001AB3	9001KR5R + KA1 + KN205
30 mm two-position selector switch with contact and legend	9001AS1	9001KS11B + 9001KA1 + 9001KN244
30 mm three-position selector switch with contact and legend	9001AS2	9001KS43B + 9001KA1 + 9001KN260

Description	POP Catalogue Number	Package includes
Pilot light (KP)	9001AL1	9001KP1 + 9001R9 + 9001G9

Description	POP Catalogue Number	Package includes
30 mm control station	9001BWP1	9001BG201

BW pendant station

Features and Benefits:

- Easy to hold in one hand with contoured grip
- Single- or two-speed buttons
- Momentary or maintained contact
- Available with or without mechanical interlocks
- Yellow, black, or red enclosure options
- High-impact thermoplastic enclosure with self-extinguishing flammability rating (UL 94V)
- Oiltight, watertight, dustproof, and corrosion-resistant (rated for NEMA 1, 3, 3R, 4, 4X, and 13)
- UL listed, CSA certified, CE per IEC

BW pendant



Description	POP Catalogue Number	Package includes
BW pendant	9001BWP1	9001BW92Y

22 mm pushbuttons

Features and Benefits:

- Simple, flexible, and robust pushbuttons, selector switches, control stations, and pilot lights for industrial applications
- Ideal for applications exposed to high-pressure cleaning, dust, and extreme temperatures
- Easy, secure mounting with a snap-fit head and body, tightened with a single screw
- UL Listed, CSA Approved, CE per IEC
- Rated for NEMA 1, 3, 3R, 4, 12, 13

Description	POP Catalogue Number	Package includes
22 mm pushbutton w/contact + six colors	XB4AB1	ZB4BZ101 + ZB4BA9
22 mm mushroom w/NC contact	XB4AB2	XB4BS542
22 mm two-position selector switch w/NO contact	XB4AS1	XB4BD21
22 mm three-position selector switch w/two NO contacts	XB4AS2	XB4BJ33
22 mm control station — mushroom w/NC contact	XALACS1	XALK178H7
22 mm control station —two button (start/stop) w/NO, NC contact	XALACS2	XALD211H29H7



22 mm pushbutton with contact block



22 mm mushroom button with contact block



22 mm 2-position selector switch



22 mm 3-position selector switch



22 mm mushroom control station



22 mm 2 button control station

40 mm Tower Light

Features and Benefits:

- Up to five illuminated signaling units
- Steady light or flashing Super Bright LEDs
- Available in red, orange, green, blue, or clear
- Available with or without an audible buzzer (up to 85 decibels)
- Three screws for base mounting or aluminum support tube with a bracket
- UL recognized, CSA approved, CE per IEC

40 mm Tower Light



Description	POP Catalogue Number	Package includes
40 mm Tower Light (3) 24 VAC/VDC	XVCTL1	XVC4B3K

Open style power relay

Features and Benefits:

- Open frame power relay
- High-power contacts
  - » Up to 40 A switching
  - » Up to 2 HP motor load rating
- Riveted construction
- RoHS compliant
- UL Listed, CSA Approved, CE per IEC

Description	POP Catalogue Number	Package includes
40 A DPDT power relay, 120 VAC coil	8501CDPDT	8501CO16V20
40 A DPST power relay, 120 VAC coil	8501CDPST	8501CO7V20

40 A DPDT



40 A DPST



40 A SPST



Plug-in style power relays, RPM and RXM

Features and Benefits:

- General-purpose relay
- 15 A switching capacity
- Up to 1 hp motor load rating
- Complete system solution
  - » Relay, socket, protection module
  - » Ejector clip, ID tag
- RoHS compliant
- UL Listed, CSA Approved, CE per IEC

Description	POP Catalogue Number	Package includes
SPDT power plug-in relay and socket, 24 VDC coil	RPM1SOC24D	RPM12BD RPZF1 RPZR235 RXM040W RXZL520
SPDT power plug-in relay and socket, 120 VAC coil	RPM1SOC120A	RPM12F7 RPZF1 RPZR235 RXM021FP RXZL520
4PDT control plug-in relay and socket, 24 VDC	RXM4SOC24D	RXM4AB2BD RXZE2M114 RXM040W RXZR335 RXZL520
4PDT control plug-in relay and socket, 120 VAC coil	RXM4SOC120A	RXM4AB2F7 RXZE2M114 RXM021FP RXZR335 RXZL520



SPDT POWER plug-in relay & socket, 24 VDC



SPDT POWER plug-in relay & socket, 120 VAC



4PDT control plug-in & socket, 24 VCD



4PDT control plug-in & socket, 120 VAC



Application Guides

Electrical Protection for the Whole House

Inside and outside the house

For the Garage or Shed





Safety Switches

Safety switches can used in the workshop or shed for the quick disconnect of power for tools or shop equipment.
Square D general duty safety switches offer both plug in and cartridge overload protection.





Sub Panel

Square D and HomeLine Sub Panels can expand the number of circuits in the home. Useful if you need additional circuits for a new bedroom, game room, garage, shed or workshop.

Electrical Protection for the Whole House

For Central Air Conditioners





Air Conditioner Disconnect

Air Conditioner disconnects offer a quick disconnect for central home Air Conditioner units when maintenance work is required on the unit. Square D A/C disconnects offer a unique moulded case breaker switch.

For the Pool or Hot tub





Spa Pack

The Square D or HomeLine Spa Packs are used to protect people from electrical shocks around the pool, spa, fountain or hot tub. The Square D Spa Pack offers a polymer, compact outdoor/indoor enclosure with door hinge while HomeLine offers a metallic outdoor/indoor enclosure.

For Back up power in the house





Generator Panels

The generator panel is used with your portable generator for backup power in your home in case of power outages. Unique, easy to use rotary dial easily transfers power to backup in seconds.

For surge protecting all electrical devices and kitchen appliances





Whole House Surge Protectors

Whole House Surge Protection is used to protect all your electronic equipment and appliances in your home from external surges like nearby lightning strikes or power fluctuations.

Circuit Breaker Application Guide

Circuit Breaker Application			Circuit Breaker Needed		Copper Wire Size
			Poles	Amps	
AIR CONDITIONER:					
120V-up to 11,000BTU ❸			1	15	14-2❷
ATTIC FAN: 120v-up to 1/2/ HP			**1**	**15**	**14-2v**
BRANCH CIRCUIT:					
Branch Circuit Outlets	120V-15 AMP		1	15	14-2❷
Bathroom Outlet ❶	120V-15 AMP		1	15	14-2❷
Garage Outlet ❶	120V-15 AMP		1	15	14-2❷
Kitchen Split Outlet	120V-15 AMP	OR	2	15	14-3❷
	120V-20 AMP		1	20	12-2❷
New for 2015 Combination Arc Fault Circuit Interrupter All Branch circuit outlets 15A/20A - 125V (exception - kitchen/bathroom/sump pump)			1	15/20	14-2/12-2❷
Outdoor Outlet ❶	120V-15 AMP		1	15	14-2❷
Clothes Dryer: 240V			**2**	**30**	**10-3❷**
DISHWASHER: 120V			**1**	**15**	**14-2❷**
DOORBELL TRANSFORMER: 120V			**1**	**15**	**14-2❷**
ELECTRIC HEATER:					
120V up to 1,500 watts			1	15	14-2❷
240V up to 3.75 KW			2	20	12-2❷
ELECTRIC RANGE:					
240V UP TO 12.0 KW			2	40	8-3❷
FOOD WASTE DISPOSAL:					
120V up to 1/2 HP ❶			1	15	14-2❷
HOT WATER HEATER:					
240V up to 4.5 KW			2	30	10-2❷
MOTORS: (Single Phase):					
120V up to 1/2 HP			1	15	14-2❷
OUTDOOR LIGHTING: 120V ❶			1	15	14-2❷
RANGE HOOD: 120V			1	15	14-2❷
SUMP PUMP: 120V ❶			1	15	14-2❷
WELL PUMP: See installation instructions and markings on the pump for proper overcurrent protection size.					

❶ A Ground Fault Interrupting Circuit Breaker may be required. Please refer to your local electrical code.
❷ Equipment grounding conductors must also be included in the wiring of these circuits (e.g. 14-2 ground)
❸ Refer to your particular units name plate for minimum circuit size.

LOCAL CODES AND SPECIFIC APPLICATIONS MAY REQUIRE
DIFFERENT CONDUCTORS AND CIRCUIT BREAKERS THAN SHOWN ON THIS CHART. CONSULT A QUALIFIED ELECTRICIAN OR YOUR LOCAL ELECTRICAL INSPECTOR WHEN QUESTIONS ARISE.

Circuit Breaker Application Guide

Circuit Breakers:
A circuit breaker is designed to protect the wiring in a home. It automatically interrupts a circuit (shutting off the flow of electricity) whenever a circuit is overloaded or a short circuit occurs.

Ampere Rating:
The specific continuous current on which the breaker is designed to operate.

Maximum Voltage Rating:
Either 120 Vac for single-pole (one space) breakers or 240 Vac for double-pole (two space) breakers.

Interrupting Rating:
The maximum fault current a breaker is designed to interrupt.

Single-Pole Circuit Breaker
Available in various ampere ratings, these circuit breakers occupy one space in the load center and are used for single 120 Vac circuits. A typical residential service contains electrical branch circuits supplying wall receptacles, lighting fixtures and appliances such as dishwashers and disposals.



Double-Pole Circuit Breaker
Also available in various ampere ratings. Appliances which require larger amounts of power (clothes dryers, ranges, furnaces, air conditioners, etc.) will use separate 30A, 40A, or 50A 240 Vac branch circuits.



Tandem Circuit Breaker
These low amperage breakers provide two isolated single-pole circuits utilizing only one single-pole space in the load center. Only designated Square D or HomeLine load centers will accept tandem breakers.



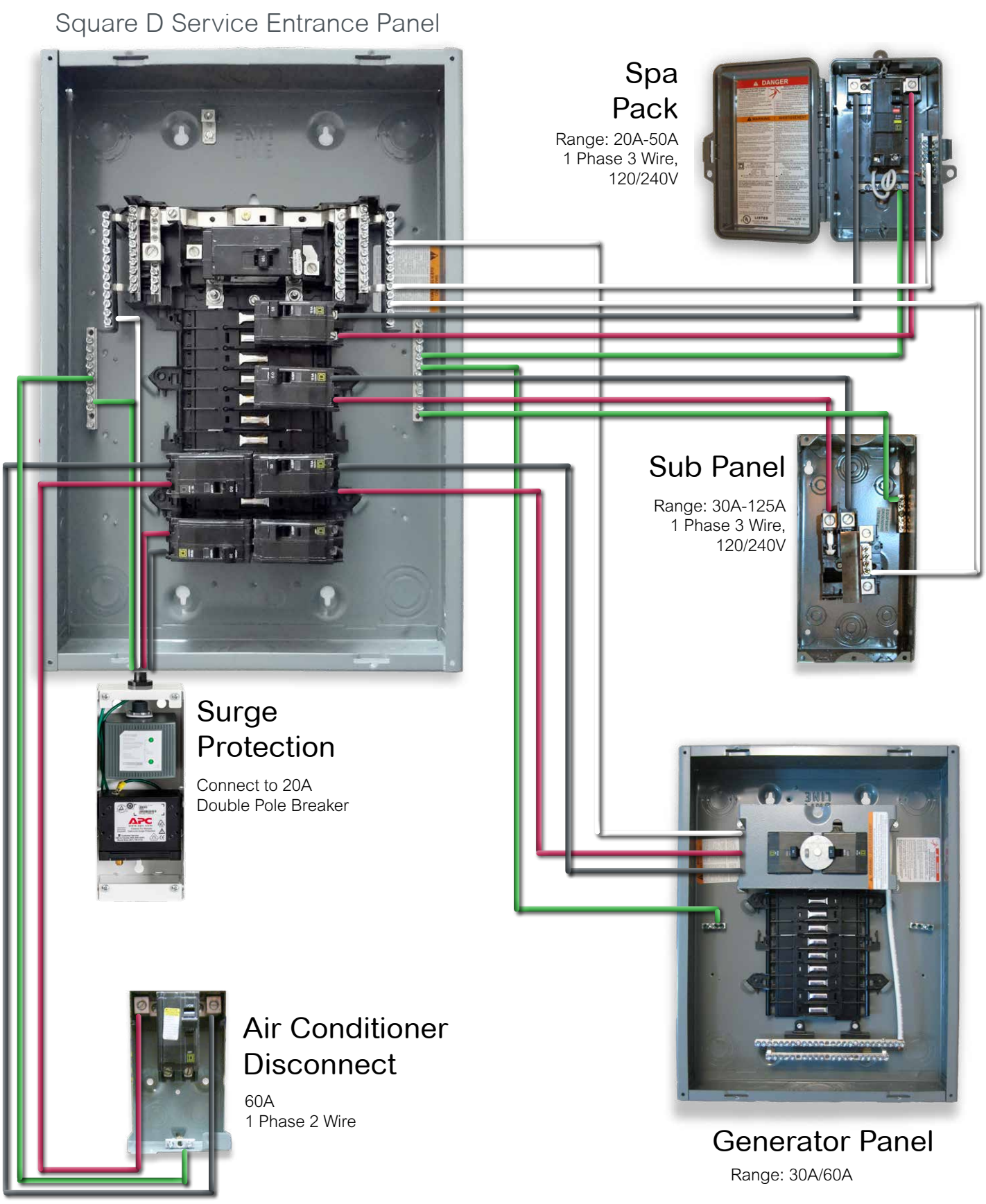
Quad Circuit Breaker (HomeLine only)
This circuit breaker provides three isolated circuits (two single-pole and one double-pole) utilizing two spaces in the load center. Only designated HomeLine load centers will accept quad breakers.



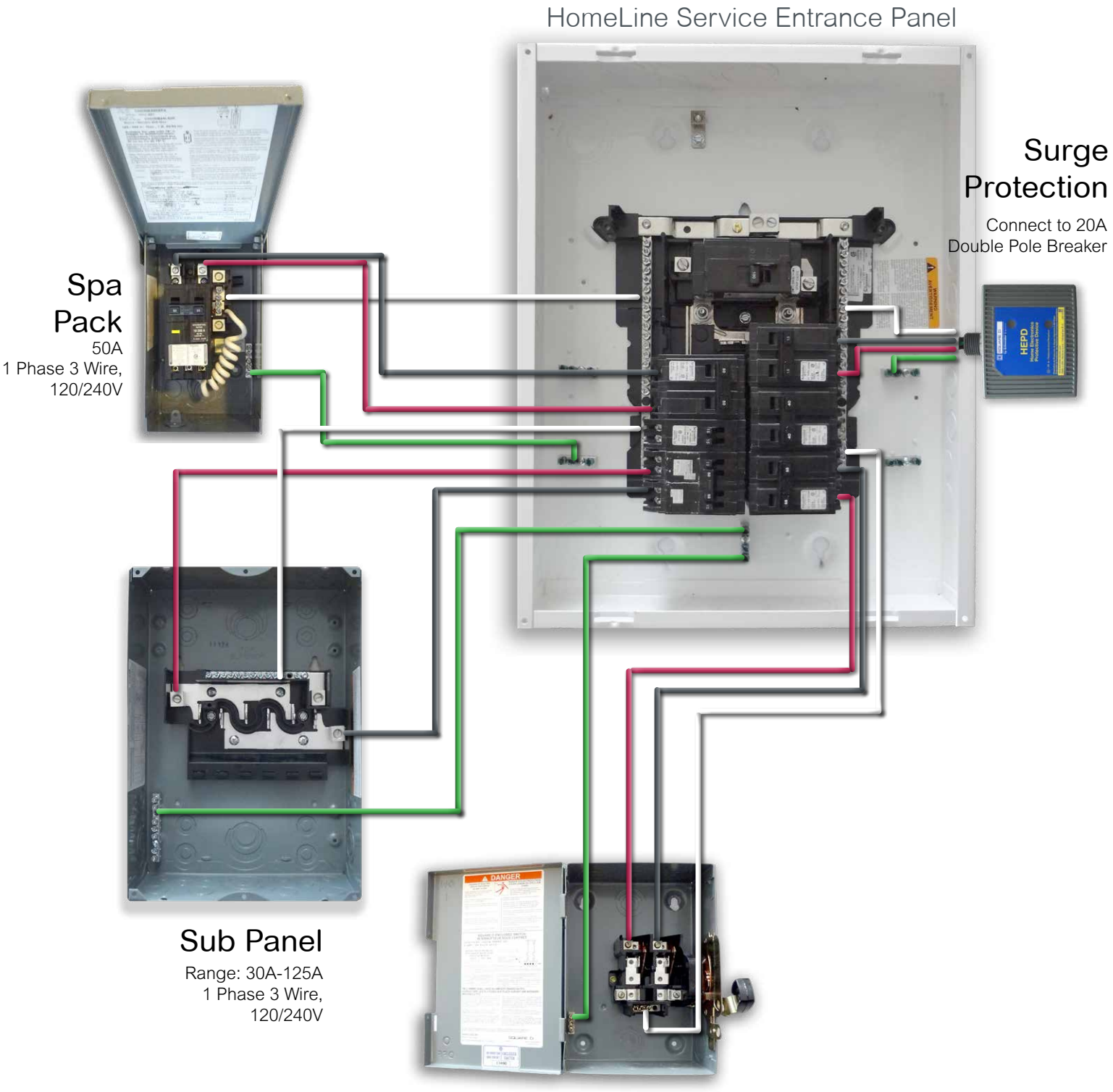
Main Circuit Breaker (for replacement or conversion)
Available in various amperage ratings, this is the main circuit breaker for the load center. It may be ordered to replace the existing main breaker in a main breaker load center or to convert selected main lugs load centers into main breaker load centers.



Square D Service Entrance Panel - Connected



HomeLine Service Entrance Panel - Connected



This display is for demo purposes only. Consult a licensed electrician for proper installation of devices. Products not to scale.

Product Warranty - HomeLine

A. Limited Warranties
1. Square D HomeLine® brand Single Phase Load Centers and Combination Service Entrance Devices. Square D warrants its HomeLine single phase load centers and combination service entrance devices to be free from defects in material and workmanship, under normal care and proper usage in a residential installation, for a period of ten (10) years from the date of installation. If the product fails within the warranty period because of a defect in material or workmanship, Square D will, at its option, repair or replace the defective part or parts upon following the notice procedures below and return of product to place of purchase.

2. Square D QO® brand Load Centers and Square D Breakers. Square D warrants its branch circuit breakers to be free from defects in material and workmanship under normal care and proper usage in a residential installation, for the lifetime of the load center in which it is installed. QO® brand load center are also covered under the same lifetime warranty. If the circuit breaker or QO® brand load center fails within the warranty period because of a defect in material or workmanship, Square D/Schneider Electric will replace the defective breaker free of charge upon following the notice procedures below and return of the product to place of purchase.

B. Exclusive Remedy — The repair and/or replacement of defective products is your sole and exclusive remedy.

C. Warranty Redemption and Exclusions —

1. Square D must be given prompt written notice of any defect or failure of any product covered by these limited warranties at the following address:
Schneider Electric - Canadian Returns Centre
5865 McLaughlin Road, Mississauga, ON L5R1B8, Canada

For warranty redemption, you must return the product to Square D at the above address.
2. Any product returned under these limited warranties, if shipped, must be sent freight costs prepaid. Square D will deliver repaired or replaced products to buyer, freight costs prepaid. Repaired or replaced products shall be warranted here under only for the unexpired portion of the original warranty period. This warranty does not include costs or reimbursement for labor. Any limited warranties granted or liabilities assumed here under will not apply to products that have been damaged, altered, repaired or operated otherwise than in conformity with the requirements for safe operation and maintenance. For your safety and to provide optimum short circuit protection, Square D recommends that you use only the Square D circuit breakers identified on the load center or combination service entrance device label or wiring diagram. Square D disclaims all liability for damage, injury or non-performance caused by the use or failure of incompatible or UL classified circuit breakers.

D. Disclaimer of All Other Warranties—
EXCEPT FOR THE EXPRESS WARRANTY SET FORTH ABOVE OR ANY WARRANTIES IMPLIED BY LAW, SQUARE D MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES. TO THE FULLEST EXTENT PERMITTED BY LAW, SQUARE D DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. THE FOREGOING DISCLAIMER MAY NOT APPLY TO YOU DEPENDING UPON THE PRODUCT YOU PURCHASE, THE APPLICATION AND USE OF YOUR PRODUCT, OR YOUR STATUS AS A CONSUMER. TO THE EXTENT YOU ARE ENTITLED TO RECOVER UNDER AN IMPLIED WARRANTY, THE DURATION OF THAT IMPLIED WARRANTY SHALL BE THE PERIOD OF THE EXPRESS LIMITED WARRANTY SET FORTH ABOVE.

E. Limitation of Liability — Square D expressly disclaims any and all liability to you for any consequential or incidental damages, damages for loss of use, loss of profits, income or revenue, loss of time or inconvenience, loss or damage to associated equipment, damages to tangible or intangible property, other than the equipment covered by this limited warranty, cost of substituted or replacement equipment other than as expressly warranted, damages associated with excessive overvoltages, obsolescence, abuse, misuse, non-authorized modification, alteration or catastrophic events, or any other incidental, consequential or special damage arising out of the use of the products. Square D shall not be liable for indirect, special, incidental or consequential damages with respect to the sale of the products, including any lost revenue or profits, consequential and/or incidental damages, business interruption or damage to business reputation, regardless of the theory upon which any claim may be based, of time or inconvenience, loss or damage to associated equipment, damages to tangible or intangible property, other than the equipment covered by this limited warranty, cost of substituted or replacement equipment other than as expressly warranted, damages associated with excessive overvoltages, obsolescence, abuse, misuse, non-authorized modification, alteration or catastrophic events, or any other incidental, consequential or special damage arising out of the use of the products. Square D shall not be liable for indirect, special, incidental or consequential damages with respect to the sale of the products, including any lost revenue or profits, consequential and/or incidental damages, business interruption or damage to business reputation, regardless of the theory upon which any claim may be based, which vary from province to province.

Product Warranty - Square D

A. Limited Warranties

Square D brand Loadcentres and Square D QO® brand Circuit Breakers - Schneider Canada warrants its Square D QO® brand branch circuit breakers to be free from defects in material and workmanship under normal care and proper usage in a residential installation, for the lifetime of the loadcentres in which it is installed. QO® brand loadcentres are also covered under the same lifetime warranty. If the QO® brand circuit breaker or QO® brand loadcentre fails within the warranty period because of a defect in material or workmanship, Schneider Canada will replace the defective QO® breaker or QO® loadcentre free of charge upon following the notice procedures below and return of the product to place of purchase.

B. Exclusive Remedy

The repair and/or replacement of defective products are your sole and exclusive remedy.

C. Warranty Redemption and Exclusions

1. Schneider Canada must be given prompt written notice of any defect or failure of any product covered by these limited warranties at the following address:

Schneider Electric - Canadian Returns Centre
5865 McLaughlin Road, Mississauga, ON L5R1B8, Canada

For warranty redemption, you must return the product to Schneider Canada at the above address.

2. Any product returned under these limited warranties, if shipped, must be sent freight costs prepaid. Schneider Canada will deliver repaired or replaced products to buyer, freight costs prepaid. Repaired or replaced products shall be warranted hereunder only for the unexpired portion of the original warranty period. This warranty does not include costs or reimbursement for labour.

Any limited warranties granted or liabilities assumed here under will not apply to products that have been damaged, altered, repaired or operated otherwise than in conformity with the requirements for safe operation and maintenance.

For your safety and to provide optimum short circuit protection, Schneider Canada recommends that you use only the Square D circuit breakers identified on the loadcentre or combination service entrance device label or wiring diagram.

D. Disclaimer of All Other Warranties

EXCEPT FOR THE EXPRESS WARRANTY SET FORTH ABOVE OR ANY WARRANTIES IMPLIED BY LAW, SCHNEIDER CANADA MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES. TO THE FULLEST EXTENT PERMITTED BY LAW, SCHNEIDER CANADA DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. THE FOREGOING DISCLAIMER MAY NOT APPLY TO YOU DEPENDING UPON THE PRODUCT YOU PURCHASE, THE APPLICATION AND USE OF YOUR PRODUCT, OR YOUR STATUS AS A CONSUMER. TO THE EXTENT YOU ARE ENTITLED TO RECOVER UNDER AN IMPLIED WARRANTY, THE DURATION OF THAT IMPLIED WARRANTY SHALL BE THE PERIOD OF THE EXPRESS LIMITED WARRANTY SET FORTH ABOVE.

E. Limitation of Liability

Schneider Canada expressly disclaims any and all liability to you for any consequential or incidental damages, damages for loss of use, loss of profits, income or revenue, loss of time or inconvenience, loss or damage to associated equipment, damages to tangible or intangible property, other than the equipment covered by this limited warranty, cost of substituted or replacement equipment other than as expressly warranted, damages associated with excessive over voltages, obsolescence, abuse, misuse, non-authorized modification, alteration or catastrophic events, or any other incidental, consequential or special damage arising out of the use of the products. Schneider Canada shall not be liable for indirect, special, incidental or consequential damages with respect to the sale of the products, including any lost revenue or profits, consequential and/or incidental damages, business interruption or damage to business reputation, regardless of the theory upon which any claim may be based, including any statutory, tort contract or insurance subrogation causes of action or claims. In no event will Schneider Canada entire liability to you, including any liability in the event the exclusive remedy set forth in this agreement fails of its essential purpose, exceed the purchase price for the affected products.

Product Warranty - Whole House Surge

Protection Limits:
With regard to any Square D branded SURGEBREAKER Plus device (catalog numbers SDSB80111, SDSB80111C, SDSB80111CCP) that has been properly installed in a residential home and in compliance with all applicable electrical code requirements, Schneider Electric USA, Inc. ("Schneider Electric") warrants to the homeowner at the time of such installation (or the initial homeowner if installed as part of new construction) that Schneider Electric shall accept responsibility for any damage to that homeowner's connected household equipment that is downstream from the power panel to which the SURGEBREAKER Plus device is connected, up to the limits provided herein, to the extent such damage is caused by the failure of such surge protective device to protect against electrical power surges caused by lightning or a utility company (electric, coaxial or telephone).

As used herein, "connected household equipment" shall mean major household appliances and electronic devices, including refrigerators, freezers, furnaces, air conditioners, stoves, oven, microwave oven, clothes washer, clothes dryer, dishwasher, audio and stereo components, video equipment, televisions and computers. "Connected household equipment" shall exclude any commercial or industrial grade equipment not commonly found in a home.

The limit of Schneider Electric's liability under this limited warranty shall be the lesser of $100,000 or the deductible amount of customer's insurance policy covering such connected household equipment, except that when the SURGEBREAKER Plus device does not have coaxial or telephone modules installed in the SURGEBREAKER Plus device or those modules are not connected to equipment. Then the limit of Schneider Electric's liability under this limited warranty shall be the lesser of $50,000 or the deductible amount of customer's insurance policy covering such connected household equipment.

Limited Warranty Period
This limited warranty shall be in effect for five (5) years following the date of purchase of the SURGEBREAKER Plus device, except that when the SURGEBREAKER Plus device does not have coaxial or telephone modules installed in the SURGEBREAKER Plus device or those modules are not connected to equipment. Then this limited warranty shall be in effect for three (3) years following the date of purchase of the SURGEBREAKER Plus device.

Limited Warranty Not Transferable
This limited warranty may not be transferred from the homeowner who initially receives this limited warranty to any other party.

Limited Warranty Limitations
THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.
This limited warranty excludes damage or loss arising from any of the following events or sources: unauthorized product modification or alteration, vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, defective software, and computer virus infection and force majeure events such as flood, earthquake or other acts of God, war, insurrection.

NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, SCHNEIDER ELECTRIC, ITS AFFILIATES, OR SUBSIDIARIES SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL DAMAGES WHATSOEVER.

With respect to products purchased by consumers in the United States for personal use, implied warranties, including but not limited to the warranties of merchantability and fitness for a particular purpose, are not excluded but are limited to the extent allowed by law to the duration of the limited warranty period set forth above. No claim under this limited warranty will be honored unless the homeowner has reported the damage within thirty (30) days after its occurrence in accordance with the claims procedure below.

Claims Procedure
To make a claim under this limited warranty please follow these steps: (1) Retain the original dated sales receipts from the SURGEBREAKER Plus device. (2) Ask an independent repair person to write a report on the cause of the damage. Retain all related repair receipts. (3) File a claim under homeowner's insurance. (4) Within thirty (30) days of the occurrence of the damage and prior to repairing the damaged equipment, contact Schneider Electric at (800) 877-1174, Monday through Friday 8:00 a.m. to 4:30 p.m. Mountain Time. (6) Send the purchase receipt, repair receipt, damage report, and any homeowners insurance report along with the damaged SURGEBREAKER Plus component(s) (electrical, telephone and/or coaxial cable) to: Schneider Electric, 1751 South 4800 West, Salt Lake City, Utah 84104, Attn: SURGEBREAKER Plus LIMITED WARRANTY. Failure to follow the claims procedure set forth above may be grounds for refusing any limited warranty claim made hereunder.

Residential Products

RESIDENTIAL CONSTRUCTION

Schneider Electric is the global specialist in energy management and automation. Our 160,000+ employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable. From the simplest of switches to complex operational systems, our technology, software and services improve the way our customers manage and automate their operations. Schneider Electric is the parent company of the Square D and Federal Pioneer brands and produces the HomeLine line of residential products

Life Is On | Schneider Electric



HomeLine™

HomeLine™ loadcentres were first introduced in North America in 1989 and through innovative solutions, it quickly became the reference for electrical distribution products to the residential market. In Canada, Homeline provides reliable and safe loadcentres, sub panels and circuit breakers for all residential needs.

SQUARE D™

Powering you to succeed. Square D provides residential builders, commercial and industrial facilities with the infrastructure needed to operate effectively and efficiently. Our electrical distribution, industrial control and automation products, systems and services provide smart solutions and proven performance enabling our customers to provide the very best to their clients.

Federal Pioneer™

As part of the Schneider Electric portfolio since 1990, Federal Pioneer products have been serving industrial companies, electrical equipment distributors and homes for more than 50 years.

Have Questions?
Call Schneider Electric Customer Service at 1-800-565-6699

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