

Life Is 

**SQUARE D**™

by Schneider Electric



# Square D Homeline load centers and circuit breakers

The leader for safe, reliable,  
and innovative solutions



[schneider-electric.com](http://schneider-electric.com)



Square D is the known leader in circuit protection with a long-standing reputation for quality and reliability.



### Ground fault circuit interrupters

Ground fault circuit interrupters (GFCIs) are designed to protect people from the dangers of electrical shock. These circuit breakers are typically installed on circuits where water sources may be present. The National Electrical Code® (NEC) requires ground fault circuit protection in the garage, outdoor areas, bathrooms, and in spa areas within the home. Square D™ by Schneider Electric ground fault circuit breakers provide Class A protection, sensing and responding to very low levels of ground faults by tripping and shutting off power, preventing serious electrical shock to people.



### Combination arc fault circuit interrupters

Combination arc fault circuit interrupters (CAFCIs) provide protection against series and parallel arcs. Arcing is a precursor to many electrical fires. Square D CAFCIs help protect people and property from fires caused by electrical arcing. These devices continuously monitor the branch circuit and trip when a potentially dangerous condition is detected.



### Dual function (CAFCI + GFCI)

Two critical, state-of-the-art technologies in one device. The innovative Square D dual function circuit breakers combine two critical, state-of-the-art technologies: combination arc fault and ground fault (Class A) protection in one circuit breaker. Dual function circuit interrupters provide a higher level of protection than any other residential circuit breaker. These devices protect the entire circuit on which they are installed, not just a part of the circuit, like electronic receptacles do.

#### Use circuit breakers properly

Electrical protection requires that circuit breakers are used properly. To maintain the integrity and safety intended, install only breakers marked on the load center label and/or wiring diagram. Homeline™ load centers are marked to accept only genuine Homeline circuit breakers.

Homeline circuit breakers should only be used in panels marked to accept them. Any other use voids your warranty and may reduce protection, increase liability risks, and violate the NEC.

### Added Value with TIME SAVER Diagnostics

TIME SAVER Diagnostics is the simplest way to troubleshoot an electrical fault. In just seconds, you will have an answer as to why a breaker is tripping.

#### TIME SAVER Diagnostics

Eliminate the guesswork with TIME SAVER Diagnostics to identify the type of fault that last occurred.

The TIME SAVER Diagnostics sequence is simple and easy to use and requires no tools or special training.



STEP 1

Simply turn off the circuit breaker



STEP 2

Hold down the Push-To-Test button.



STEP 3

Turn the circuit breaker back on.

**If** the circuit breaker trips immediately, it is detecting a Ground Fault.

**If** the circuit breaker trips after a 2 second delay, it is detecting an Arc Fault.

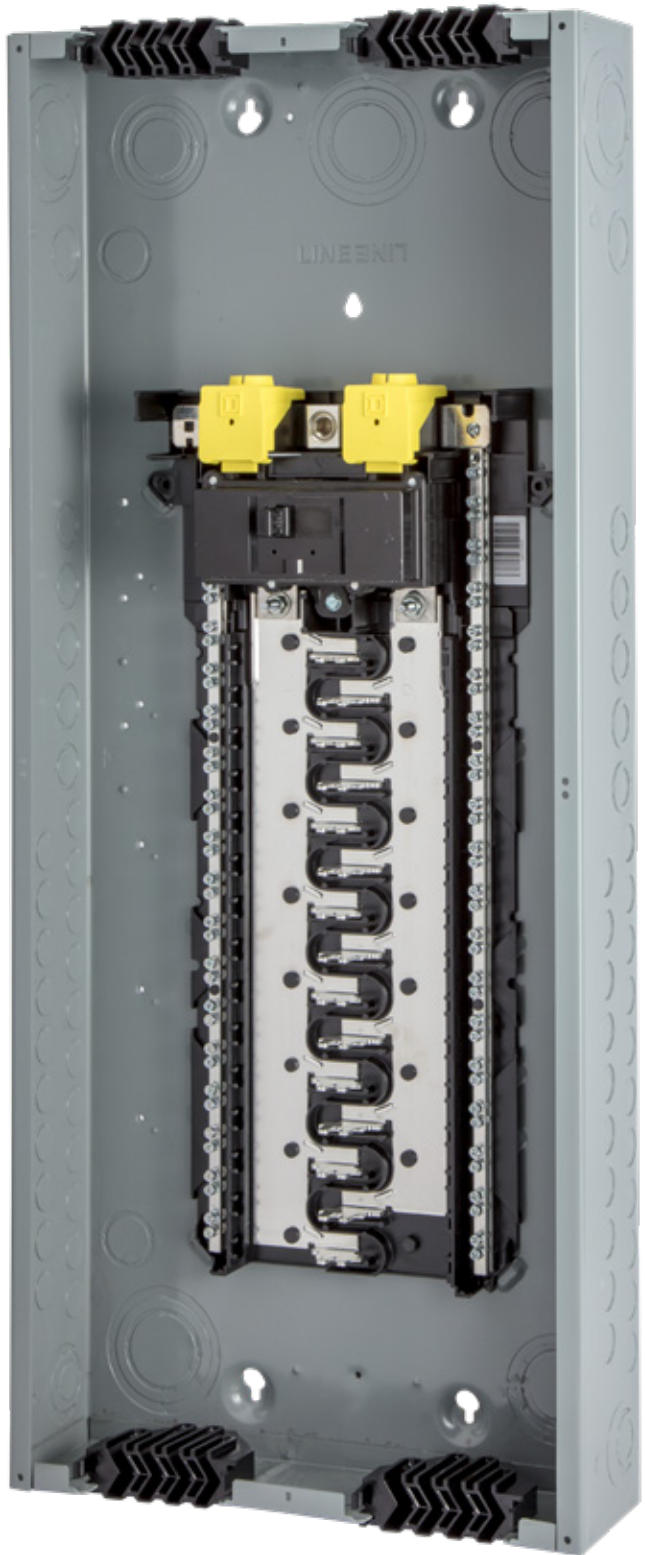
**If** the circuit breaker trips after a 5 second delay, it is a thermal overload or short circuit.

In any of these instances, it is an indication that there is an issue ON the circuit and NOT with the circuit breaker itself. (If there is no issue on the circuit to be diagnosed, tripping after a five second delay would also be a normal breaker testing operation.)

## Convertible main load center key features

- **UL Listed Only for Square D Breakers** — Homeline 1" breakers trip to center position
- **Accepts Plug-on Neutral (PoN) CAFI and Dual Function Breakers** — These breakers are capable of being installed in every space
- **Fully Distributed Split Neutral Bars with Backed-out Terminal Screws**
- **Bus Bars** — Tin & copper plated aluminum
- **Breaker Format** — 1 inch per 1 Pole space, 40 spaces/circuit = 39½ in. tall
- **Cover Options** — Combo cover shipped with load center. Optional surface or flush mount covers available
- **Warranty** — 10 year

- Engineered for quality and reliability
- Designed for fast installation
- UL® Listed, exclusively for Homeline circuit breakers
- Available with standard end walls or with the optional Qwik-Grip™ wire management system



Qwik-Grip Homeline Load Center Shown



Homeline load centers are built on the Square D reputation for reliability, innovation, and circuit protection leadership.

The Square D brand is the number one choice of more electricians and home builders.



#### We've got you covered: flush and surface covers

Indoor Homeline covers are available in surface or flush mount; these can be purchased separately and limit loss or damage if stored at the job site.



#### Protection from the rain

Homeline load centers are available in NEMA® Type 3R rainproof enclosures, with Square D type rain-tight bolted hubs for fast and convenient top feed conduit connection. Side-opening devices feature a stainless steel door latch and rainproof center mounting boss on back.



#### Automatic flush adjustment

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



#### Teardrop positioning holes

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



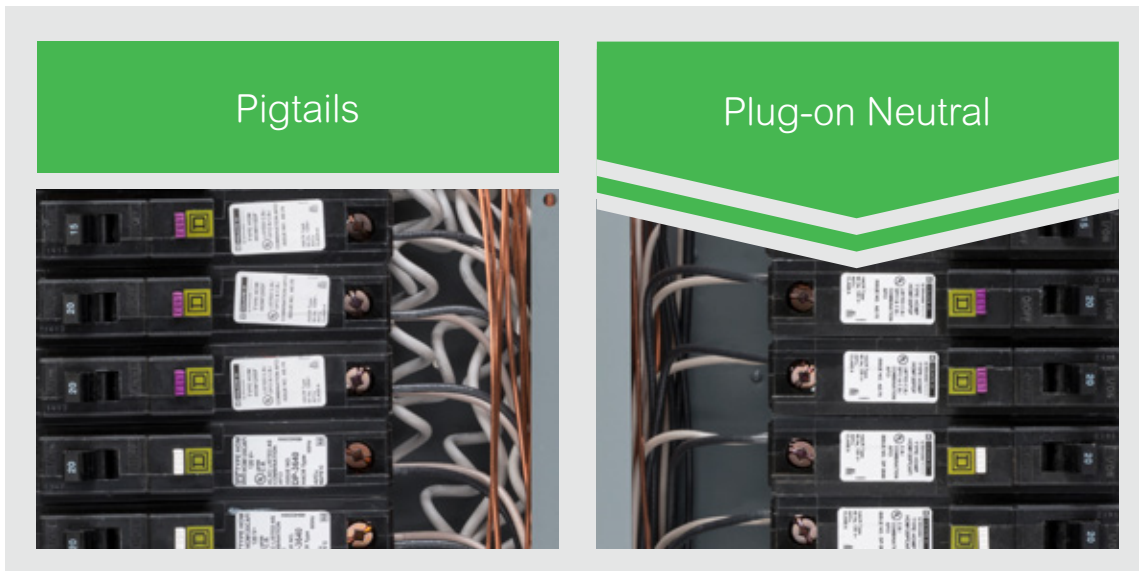
#### Qwik-Grip Wire Management Feature

Save time and simplify your work by eliminating knockouts, installing wire connectors and blindly pulling wire into the load center. Now slide wires from the front with the Qwik-Grip wire management system. A quick bend of the wire using the wire bend guide on the Qwik-Grip insert and the wire easily slides into the slot. Once done, snap on the Qwik-Grip shield to keep the wires behind the router for a secure, code compliant installation. Qwik-Grip, a state-of-the-art wire management system, allows you to move on the next job quicker.

# Homeline Plug-on Neutral load centers and CAFCI and dual function circuit breakers

Homeline Plug-on Neutral load centers and CAFCI and dual function circuit breakers are engineered for a quick plug-on neutral connection on every circuit.

Designed for reliability, the Homeline Plug-on Neutral CAFCI and dual function circuit breakers connect directly to the neutral bar, providing a time and labor-saving installation.



## Homeline circuit breaker key features

- Trips to center position, making it easy to spot a tripped circuit breaker
- Market-leading circuit protection — superior quality and reliability
- 1-inch format
- Multiple applications — a full range of amperage, poles, and advanced function devices such as ground fault, arc fault, and dual function breakers are available



## The high cost of surge damage

### Home Electronics Protective Devices

Each year it's estimated that surges can cause \$26 billion in lost time, repairs, and equipment.

The impact of surge damage can range from an immediate loss of electronics and appliances to long-term cumulative damage, shortening the life expectancy of expensive home possessions.



Square D Home Electronics Protective Devices (HEPDs) are compact and affordable surge suppressors designed for protection against surges that may overpower surge strips. HEPDs also provide protection for home electronics not connected to surge strips.

Square D brand HEPDs are critical surge suppression elements for sensitive equipment and devices. When mounted in residential load centers, they are ideal for providing surge suppression to important household items that plug strips typically don't protect. The HEPD36 provides 36kA of surge capacity and a three-year, \$30,000 limited warranty. The HEPD50 provides 50kA of surge capacity and a three-year, \$50,000 limited warranty. The HEPD80 provides 80kA of surge capacity and a five-year, \$75,000 limited warranty.



### QO and Homeline surge protective devices

The QO™ and Homeline Surgebreaker™ is a plug-in surge protective device (SPD) that is installed internally in the load center and is designed to protect the home's electrical system and hard-wired appliances from surges. Installing the QO or Homeline Surgebreaker provides critical surge protection against surges that may overload ordinary surge strips. Surgebreaker SPDs provide 22.5kA of protection with a three-year, \$10,000 limited warranty.



### Plug-on Neutral surge protective devices

Plug-on Neutral Surge Protective Devices are plug-in SPDs designed for Plug-on Neutral QO and Homeline Load Centers. These SPDs protect the home's electrical system and hard-wired appliances from surges. Plug-on Neutral SPDs offer 50kA of surge protection with a five-year, \$50,000 limited warranty.



### Surgebreaker Plus Whole House Surge Protection

The Square D Whole House Surgebreaker provides multipath surge protection and is connected to the outside of the load center. The Surgebreaker Plus is a complete SPD system where AC, cable, Ethernet, and telephone lines are connected. This modular SPD system provides 80kA of surge capacity, and comes standard with cable, Ethernet, and telephone surge modules. Surgebreaker Plus Whole House SPDs come with a five-year, \$100,000 limited warranty.

# A comprehensive selection of load centers, circuit breakers, and accessories

Maximizing application flexibility, QO and Homeline load centers and circuit breakers can satisfy almost any residential, commercial, or industrial installation requirement.

## 1. Homeline fixed main load centers

Ideal for indoor and outdoor sub-feed applications, such as dual-zone HVAC, hot tubs, and pools. These main lug panels accommodate up to 16 circuits when Homeline tandem breakers are installed.

## 2. Service upgrade load center

Ideal for service upgrades or remodels, this 200 amp Homeline load center speeds up the service change with removable end wall plates, saving time compared to the traditional load centers designed for new construction. This innovation allows you to meet the growing need for additional load center circuits and service upgrades.

## 3. Non-metallic Homeline 2-4 circuit load center

Corrosion-resistant enclosure is ideal for accommodating GFCI protection and switching for outdoor circuits, such as hot tubs, fountains, and swimming pools.

## 4. QO generator panel

In the event of power outages, Square D Homeline generator panels are the ideal way to safely connect specific circuits in the home to an alternate power source, allowing for uninterrupted service.

## 5. Complete line of accessories

A complete line of Homeline accessories maximizes application flexibility. From ground kits to bolt-on rainproof hubs, filler plates, door locks, manual transfer kits, and more.

## 6. Qwik-Grip Wire Management System

Eliminate knockouts, installing wire connectors and blindly pulling wire into the load center. Easily slide wires in from the front of the load center. Qwik-Grip is a state-of-the-art wire management system, allowing you to move on the next job quicker.

## 7. Homeline Generator Ready Split Bus Load Center

With the Generator Ready Split Bus Load Center, during an outage the homeowner can manually switch over to a generator power back up device.



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August 2018

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