

# TIME SAVER Diagnostics



Combination  
Arc Fault  
Protection

Circuit information at the touch of a button



Square D QO™ and HomeLine™ Combination Arc Fault (CAFI) Circuit Breakers with TIME SAVER Diagnostics help save time and money by combining proven quality and reliability with enhanced trip indication technology. TIME SAVER Diagnostics helps take away the guesswork and provides diagnostic assistance at the touch of a button in the unlikely event a trip should occur. By identifying the type of fault that has occurred, it improves troubleshooting time and helps contractors and homeowners identify the trip cause faster.

Electrical problems spark an estimated 51,000 home fires and cause more than \$1 billion in residential property damage each year (National Fire Protection Association,® 2003-2007). Circuit breakers are an extremely important part of the home electrical system. They help keep people and property safe by tripping when a circuit issue is detected. QO and HomeLine CAFI Circuit Breakers help provide protection against electrical fires, 24 hours a day, 365 days a year!

In the event a CAFI circuit breaker trips, quickly identifying the source of the trip event is critical. Schneider Electric™ customers enjoy the TIME SAVER Diagnostics feature in all Square D™ CAFI and Dual Function circuit breakers.



Scan here

for more information on QO and HomeLine CAFI Circuit Breakers and TIME SAVER Diagnostics, visit <http://www.schneider-electric.us/go/timesaver>, or call **888-SQUARED**.

## Key TIME SAVER Diagnostics Benefits:

- **Saves money** — Reduces troubleshooting time
- **Easy-to-use** — Provides circuit information at the touch of a button
- **Accurate and reliable** — Engineered with the quality and craftsmanship that have made Square D the preferred brand of electricians and homeowners for over 50 years



by Schneider Electric



## How does TIME SAVER Diagnostics work?

TIME SAVER Diagnostics identify circuit issues faster. The TIME SAVER sequence is simple and easy to use, and requires no tools or special training.

- Simply turn off the circuit breaker, hold down the Push-To-Test button, and then turn the circuit breaker back on. It's that simple!
  - » If the circuit breaker trips immediately, it is detecting a Fault to Ground.
  - » If the circuit breaker trips after a 2-second delay; it is detecting an Arc Fault. In either case, it is an indication that there is an issue ON the circuit and NOT with the circuit breaker itself.

TIME SAVER Diagnostics is equipped in all Square D HomeLine and QO(B) CAFI Circuit Breakers (1-Pole and 2-Pole) and Dual Function Circuit Breakers with a date code of 1130 or higher.



<b>Trips instantly (less than one second)</b>	<b>Fault to Ground</b> <ul style="list-style-type: none"> <li>• Arcing to ground</li> <li>• Shared neutral</li> <li>• Grounded neutral</li> <li>• Ground fault</li> </ul>
<b>Trips at two seconds</b>	<b>Arc Fault</b> <ul style="list-style-type: none"> <li>• Parallel arc fault</li> <li>• Series arc fault</li> </ul>
<b>Trips at five seconds</b>	<b>Procedure Complete</b> <ul style="list-style-type: none"> <li>• No fault</li> <li>• Thermal overload</li> <li>• Short circuit</li> </ul>

All QO and QO(B) CAFI Circuit Breakers (1P and 2P), HomeLine CAFI Circuit Breakers (1P and 2P), QO and HomeLine Dual Function Circuit Breakers offer the simple, effective TIME SAVER diagnostics feature.

*\*QO and HomeLine CAFI and Dual Function Circuit Breakers are available in both Pigtail and Plug-on Neutral configurations.*

### Key TIME SAVER features:

- Integrated diagnostics in all QO and HomeLine CAFI Circuit Breakers
- Stores last trip event
- Quick identification of fault type
  - » Fault to Ground
  - » Arc Fault
  - » Overload/Short Circuit

### Specification for 1-Pole and 2-Pole CAFI Circuit Breakers

- UL® 489
- UL 1699
- CSA® 22.2 No. 5-09
- CSA T11 No. M-02a



For more information on TIME SAVER Diagnostics, ask your authorized Schneider Electric distributor.



Visit: [www.schneider-electric.us/go/timesaver](http://www.schneider-electric.us/go/timesaver)



Call: 888-SQUARED

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