

Qwik-Gard® Residual Current Operated Circuit Breakers Type QO-MBGX

Retain for future use.

INSTALLATION

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

Installer—Please ensure that this sheet is passed on to the consumer.

Qwik-Gard® circuit breakers may be identified by the yellow test button. Testing at least monthly is recommended.

CAUTION

HAZARD OF EQUIPMENT DAMAGE

This RCBO is intended for use on 240 Vac single phase systems only. Do not install into the distributed phase bus system of a 240/415 Vac, TP & N multi-pole QO load centre.

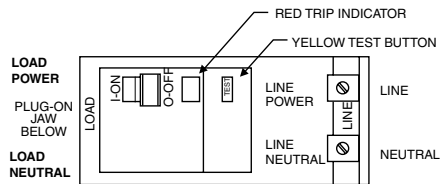
Failure to follow these instructions will result in equipment damage.

This residual current operated circuit breaker is designed to provide a high degree of protection against both hazardous shock and overcurrent on the final circuit which it feeds.

The electrical supply should be disconnected and the RCBO should be turned to the O•OFF position prior to installation. It should be installed according to the instructions supplied with the Square D brand range of consumer units, load centres distribution boards or other Square D product for which it is designed.

NOTE: Installations must be made and maintained according to local regulations or codes.

Figure 1: Qwik-Gard® Circuit Breaker Installation



#14–#6 AWG Cu (2.5–16 mm²)
#12–#4 AWG Al (4–20 mm²)
75°C ONLY/SOLO/SEUL
45 lb-in (5 N•m)

TESTING

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- If the Qwik-Gard circuit breaker trips at any time other than during testing it should not be switched on again until a qualified electrician has been consulted.
- This equipment must only be serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

The Qwik-Gard® circuit breaker should be tested upon completion of the installation and upon connection of power supply. Testing at least monthly is also recommended.

The Qwik-Gard circuit breaker is installed to provide increased protection against electrical shock. It is NOT RECOMMENDED that consumers without expert knowledge attempt to find faults in the installation or connected equipment. The integral overcurrent protection and the residual current protection of the circuit breaker comply to IEC61009-1.

CAUTION

HAZARD OF EQUIPMENT DAMAGE

Do not apply megger, high-voltage, or hi-pot tests to this circuit breaker.

Failure to follow this instruction can result in equipment damage.

1. Choose a time when a short interruption of supply will be the least inconvenient.
2. Ensure that the Qwik-Gard circuit breaker is switched ON.
3. Push the yellow test button once.

NOTE: If high level of protection is being maintained, the Qwik-Gard circuit breaker will "trip" i.e. a red indicator will appear in the window and handle will move to a mid-position between I•ON and O•OFF. The circuit has now been automatically switched off indicating that the Qwik-Gard circuit breaker is operating correctly.

4. To restore supply, move handle to O•OFF position to reset the circuit breaker, then switch handle to I•ON position.
5. If the Qwik-Gard circuit breaker does not trip when the yellow test button is pushed, seek expert advice.

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Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

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