

White Paper

2015 UL 943 Update GFCI Self Test Feature

Underwriters Lab (UL) 943 requires that a Self Test and Lockout feature be included in all GFCI circuit breaker devices manufactured after June 29th, 2015. Testing GFCIs on a monthly basis is a good idea that is sometimes forgotten. UL suggests GFCI devices be tested every 30 days after installation to ensure they are properly working. Now the new Self Test and Lockout feature enables the GFCI circuit breaker to automatically and continuously test itself to ensure that it is working properly. If it is detected that the device has been compromised, the device trips itself and locks out the homeowner from resetting the device, reducing the possibility of the homeowner incorrectly assuming that the device was tripped to prevent a ground fault. This will help guarantee the best protection is given to your home at all times.



Frequently Asked Questions (FAQs)

Q: Why won't the breaker turn on when I take it out of the box?

A: The breaker has to have power to run the self test and turn on pigtail must be hooked up to the neutral bar and load center energized.

Q: Will all my GFCI breakers trip if the power goes out?

A: No, if the breaker is in the on position and the power goes out, the breaker will not trip. Once the power comes back on, the breaker will run the self test and stay on as long as the electronics have not been compromised.

Q: If the breaker trips due to a fault, will the homeowner be able to turn the breaker back on?

A: Yes, the breaker function is the same as before the new Self Test feature. If the breaker trips due to a fault, and the homeowner turns the breaker back on, the breaker will turn on. If the fault is no longer present, the breaker will stay on. If the fault is still present, the breaker will trip.

Siemens and Murray Products:

Siemens 1-Pole Plug-in Ground Fault Circuit Interrupters (5mA)

| New Catalog Number | Ampere Rating | Interrupting Rating | UL Type |
|--------------------|---------------|---------------------|---------|
| QF115A | 15 | 10kA | QPF2 |
| QF120A | 20 | 10kA | |
| QF130A | 30 | 10kA | |
| QF115AH | 15 | 22kA | QPHF2 |
| QF120AH | 20 | 22kA | |
| QF130AH | 30 | 22kA | |
| QF115AHH | 15 | 65kA | HQPF2 |
| QF120AHH | 20 | 65kA | |
| QF130AHH | 30 | 65kA | |

Siemens 1-Pole Bolt-on Ground Fault Circuit Interrupters (5mA)

| New Catalog Number | Ampere Rating | Interrupting Rating | UL Type |
|--------------------|---------------|---------------------|---------|
| BF115A | 15 | 10kA | BLF2 |
| BF120A | 20 | 10kA | |
| BF130A | 30 | 10kA | |
| BF115AH | 15 | 22kA | BLHF2 |
| BF120AH | 20 | 22kA | |
| BF130AH | 30 | 22kA | |
| BF115AHH | 15 | 65kA | HBLF2 |
| BF120AHH | 20 | 65kA | |
| BF130AHH | 30 | 65kA | |

Murray 1-Pole Plug-in Ground Fault Circuit Interrupters (5mA)

| New Catalog Number | Ampere Rating | Interrupting Rating | UL Type |
|--------------------|---------------|---------------------|---------|
| MP115GFA | 15 | 10kA | MP-GT2 |
| MP120GFA | 20 | 10kA | |
| MP130GFA | 30 | 10kA | |
| MP115GFAH | 15 | 22kA | MP-HGT2 |
| MP120GFAH | 20 | 22kA | |
| MP130GFAH | 30 | 22kA | |
| MP115GFAM | 15 | 65kA | MP-MGT2 |
| MP120GFAM | 20 | 65kA | |
| MP130GFAM | 30 | 65kA | |

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