SIEMENS

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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