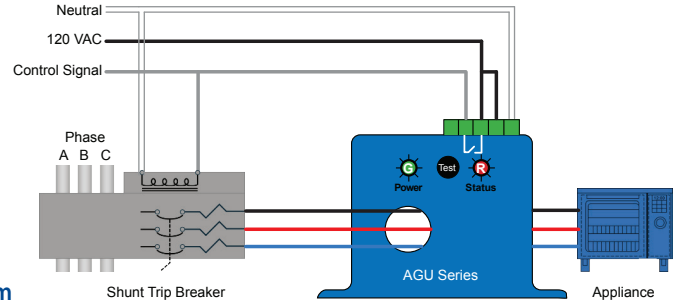


Ground Fault Relay Selection

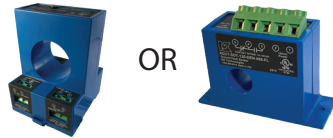
— For Commercial Electrical Panel Applications

- Combine 5 mA ground fault relay with a shunt trip circuit breaker for GFCI solution
- Meets intent of NEC 210.8 for commercial kitchens & applications requiring 4-6 mA ground fault detection.
- This solution guide is for most common single-phase 120 VAC & 3-phase 240 VAC applications. NK Technologies offers a full line of ground fault relays.
- Contact NK Technologies for other use cases. sales@nktechnologies.com



Recommended Solution for GFCI Applications When "All-in-One" GFCI Breaker is Not Available.

5 mA Ground Fault Relay



OR

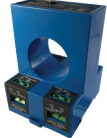


+

Shunt Trip Circuit Breaker



ABB (GE)
Eaton (Cutler-Hammer)
Siemens
Schneider (Square D)

Choose a GF Relay in 4 Easy Steps

1 GFCI Protection Level		2 Listed UL 508 Preferred?		3 Choose Aperture Diameter Based on Wire Bundle Diameter				4 Pair with Shunt Trip Circuit Breaker	
Personnel	Process & Equipment	Listed UL 508	Recognized UL 1053	Aperture	Single Phase	3-Phase			Use 120 or 240 or 480 VAC circuit breaker with 120 VAC rated shunt trip solenoid
						≤ 50A	60 A	> 60 A	
 AGL Series AGL1-SDT1-120-DEN-005	5 mA			1.76"			4-wire Wye	YES	AGL & AGU are UL Listed to UL 508 for applications where code requires a "listed device." Factory calibrated for 5 mA trip point.
				0.75"	YES	YES	3-wire Delta		
	10 mA & 30 mA				0.75"	YES	YES		AG3 provides field adjustable settings for personnel (5 mA) and process/equipment protection (10 mA & 30 mA)
NEC requires 4-6 mA for personnel protection		All models UL tested		Monitored wire bundle must pass through relay aperture. AGL offers larger diameter than AGU/AG3 for 3-phase >60 A					



For the full line of NK Ground Fault Solutions, go to: <https://www.nktechnologies.com/ground-fault-protection>



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3511 Charter Park Drive • San Jose, CA 95136
800.959.4014 • www.nktechnologies.com • sales@nktechnologies.com

