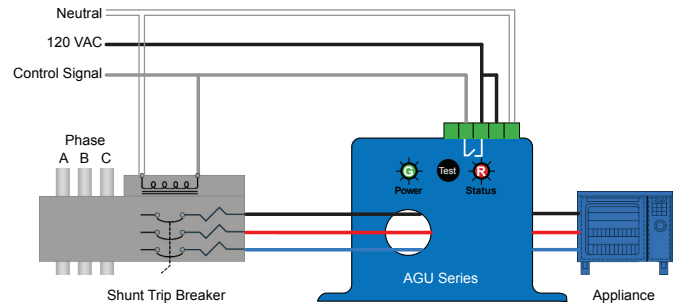


# Ground Fault Sensor Selection

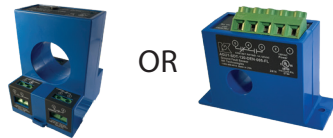
— For Commercial Electrical Panel Applications

- Combine 5 mA ground fault sensor with a shunt trip breaker for use in ordinary locations in accordance with the National Electrical Code NFPA 70.
- 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 sensors.
- Contact NK Technologies for other use cases. [sales@nktechnologies.com](mailto:sales@nktechnologies.com)



## Recommended Solution for Ground Fault Detection Applications

### 5 mA Ground Fault Sensor



OR

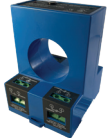




+

### Shunt Trip Circuit Breaker



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

## Choose a GF Sensor in 4 Easy Steps

	1 Ground Fault Detection Level		2 UL Standard		3 Choose Aperture Diameter Based on Wire Bundle Diameter				4 Pair with Shunt Trip Circuit Breaker	
	5 mA	10 mA & 30 mA	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		
									4-wire Wye	
 <b>AGL Series</b> AGL1-SDT1-120-DEN-005										Factory calibrated for 5 mA trip point.
 <b>AGU Series</b> AGU1-SDT1-120-DEN-005-FL					1.76"					
 <b>AG3 Series</b> AG3-SDT1-120-DEN-TR3										AG3 provides jumper adjustable detection settings.  5 mA, 10 mA, or 30 mA
					0.75"	YES	YES			

\* Listed under UL 508 as an industrial control switch  
 \*\*Recognized under UL 1053 as a ground fault relay

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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