

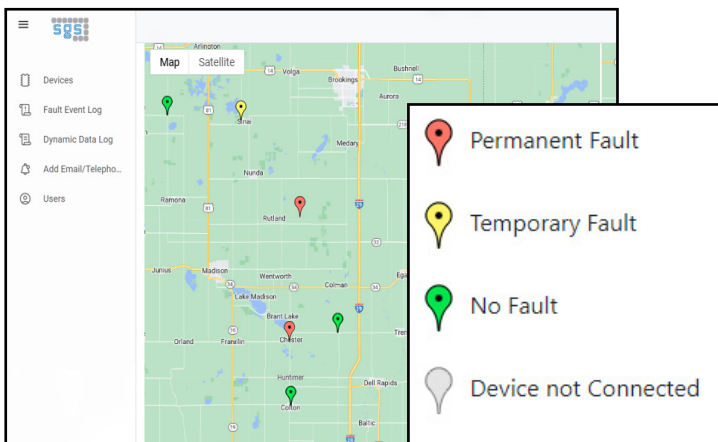
Patrolman Plus

FI-5A-W Communicating Overhead FCI

The Patrolman Plus is designed for easy and efficient operation in power distribution networks, utilizing cellular networks to instantly transmit fault location and data back to the utility. These units are clamp-and-play, featuring built-in LTE connectivity and location through GPS, allowing for immediate use upon installation without additional equipment.

The Patrolman Plus provides flexibility in data management and integration, allowing users to easily monitor system status and faults through a user-friendly online portal. Users can also customize fault alerts, choosing who receives notifications via text or email. Alternatively, SGS offers options to connect to existing software systems like OMS, GIS, or SCADA using industry-standard protocols, ensuring seamless integration with current operational frameworks.

The device also features line harvesting capabilities and replaceable batteries, significantly extending its field life while requiring minimal maintenance.



Reporting Data

- Permanent & temporary faults
- Battery status
- Regular average & peak load values
- Connectivity & signal strength
- Routine check-ins to confirm status
- GPS location

Connectivity

- Supports major network providers and private LTE
- 5 years of data included (optional)
- Secure connectivity through encryption and verified access

SPECIFICATIONS



Means of Wireless Connectivity	Cat-M1 cellular through major providers and private LTE
Trip Current Range	Auto-adjusting trip level with real time load tracking
Voltage Range	Suitable for all voltages up to 69 kV
Power Source	10.9 Ah lithium cells, replaceable *harvests power from the line when load is >20 A
Manufacturer's Warranty	5 years from date of purchase
Installation Diameter Range	0.3 in to 1.7 in (8 mm to 42 mm) *bare or covered conductors
Indication	<ul style="list-style-type: none"> Cellular through major providers and private LTE High-intensity LEDs
LED Flashing Options	<ul style="list-style-type: none"> Option 1: fault - red flashing; low battery - yellow flashing Option 2: permanent fault - red flashing; temporary fault - yellow and red flashing; low battery - yellow flashing
Accuracy	+/-5%
Auto Reset Time	<ul style="list-style-type: none"> Customer specified (standard settings of 4 hr, 8 hr, or 24 hr) Separate reset times available for permanent and temporary faults
Casing Materials	UV stable polycarbonate and potting compound
Current Transformer	Split-core corrosion resistant stainless steel
Temperature Range	-50°C to +85°C
Weight	22 oz (620 g)
Notable Features	<ul style="list-style-type: none"> Stand-alone device with no additional equipment required Ability to integrate with OMS/GIS/SCADA through common protocols Butterfly-style clamp for easy and safe installation & removal with hot stick

Catalog Number Selection

Device	Program		Reset Time		LED Differentiation		LED Type		Reset Type		Temporary Reset Time		Data Plan		
	S	E	04	08	L	T	R	N	A	B	-X	-Y	-Z	-	-ND
FI-5A-W	Standard auto-adjusting response	Low current trip point	4 hour reset	8 hour reset	No differentiation between permanent and temporary fault LED indication colors	Differentiation between permanent and temporary fault LED indication colors	Ultra bright LEDs	Low profile LEDs	Time; Manual	Time; Manual; Current	4 hour reset	8 hour reset	24 hour reset	-	5 years of data included
	Single condition response		24 hour reset												

Additional configurations available. Contact your SGS sales representative or SGS directly to learn more.