

Patrolman

FI-5A Overhead Faulted Circuit Indicator

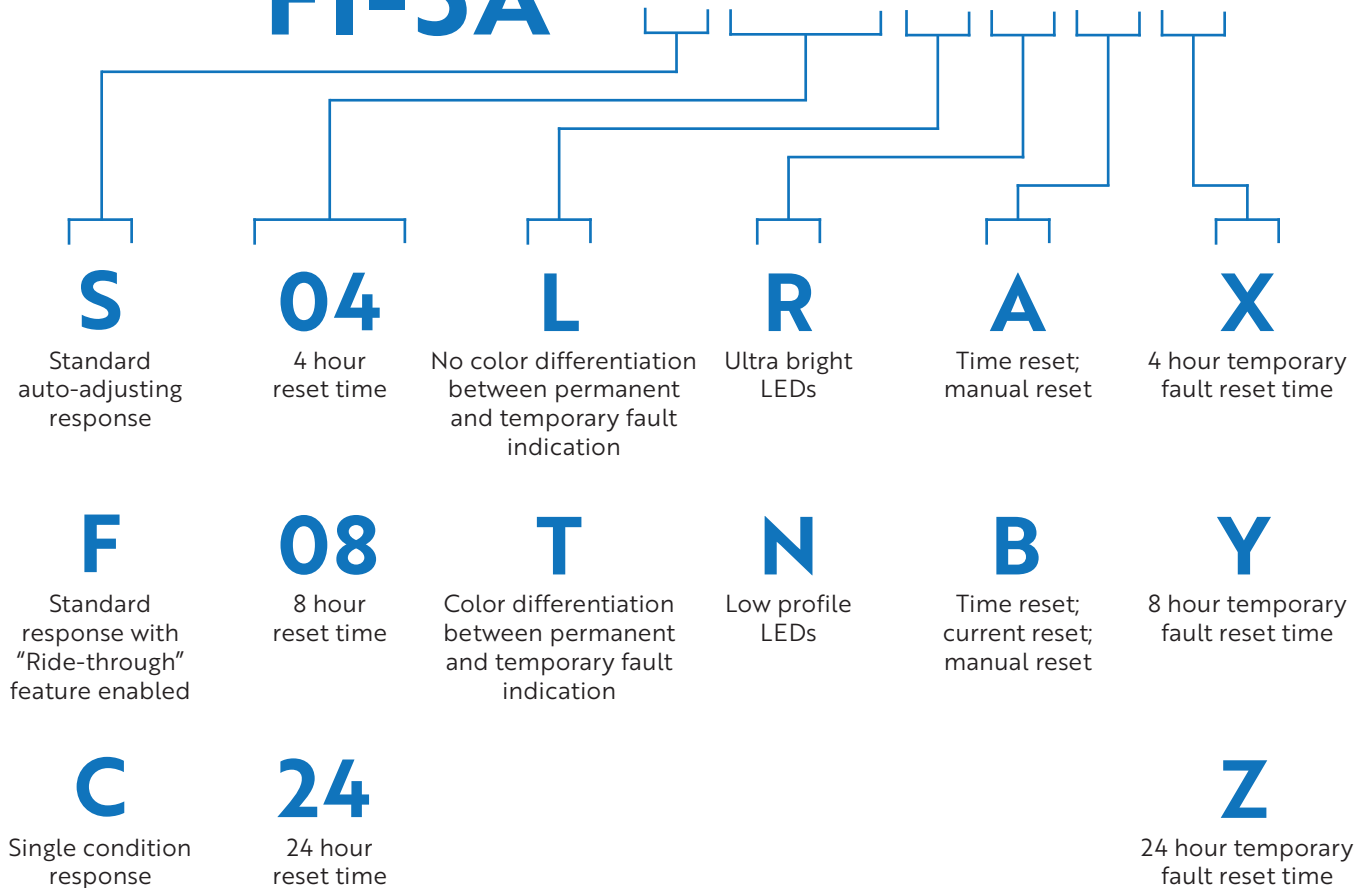
The Patrolman improves system reliability by monitoring overhead lines for faults. Its power-efficient electronics, durable mechanical design, and reliable operating principle ensure a long field life of helping to easily locate faults and quickly re-energize power systems



Trip Current Range	Auto-adjusting trip point with real time load tracking
Voltage Range	Suitable for all voltages up to 69 kV
Power Source	10.9 Ah lithium cells, replaceable *20+ year shelf-life *harvests power from the line when load is >25 A
Current Withstand	25kA for 60 cycles (1 second)
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	• High-intensity LEDs with light sensor • Custom designed lens gives true 360 degree visibility
Accuracy	+/-5%
Auto Reset Time	• Customer specified (standard settings of 4 hr, 8 hr, or 24 hr) • Separate reset times available for permanent and temporary faults
Total Indicating Time	>2000 hours
Visibility	>1500 ft daytime; >2500 ft nighttime
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	• Superior inrush current restraint • Recognizes post-fault backfeed current • No minimum load current requirement to respond to faults • Butterfly-style clamp for easy and safe installation & removal with hot stick • Wide variety of settings available to accommodate existing customer practices and modern power systems
Compliance Standards	IEEE-495 (2007) compliant and ISO-9001 certified



FI-5A



- Additional configurations and indication settings available. Ask your SGS sales representative or contact SGS directly to learn more about other options.