

# Patrolman

## FI-5A Overhead Faulted Circuit Indicator

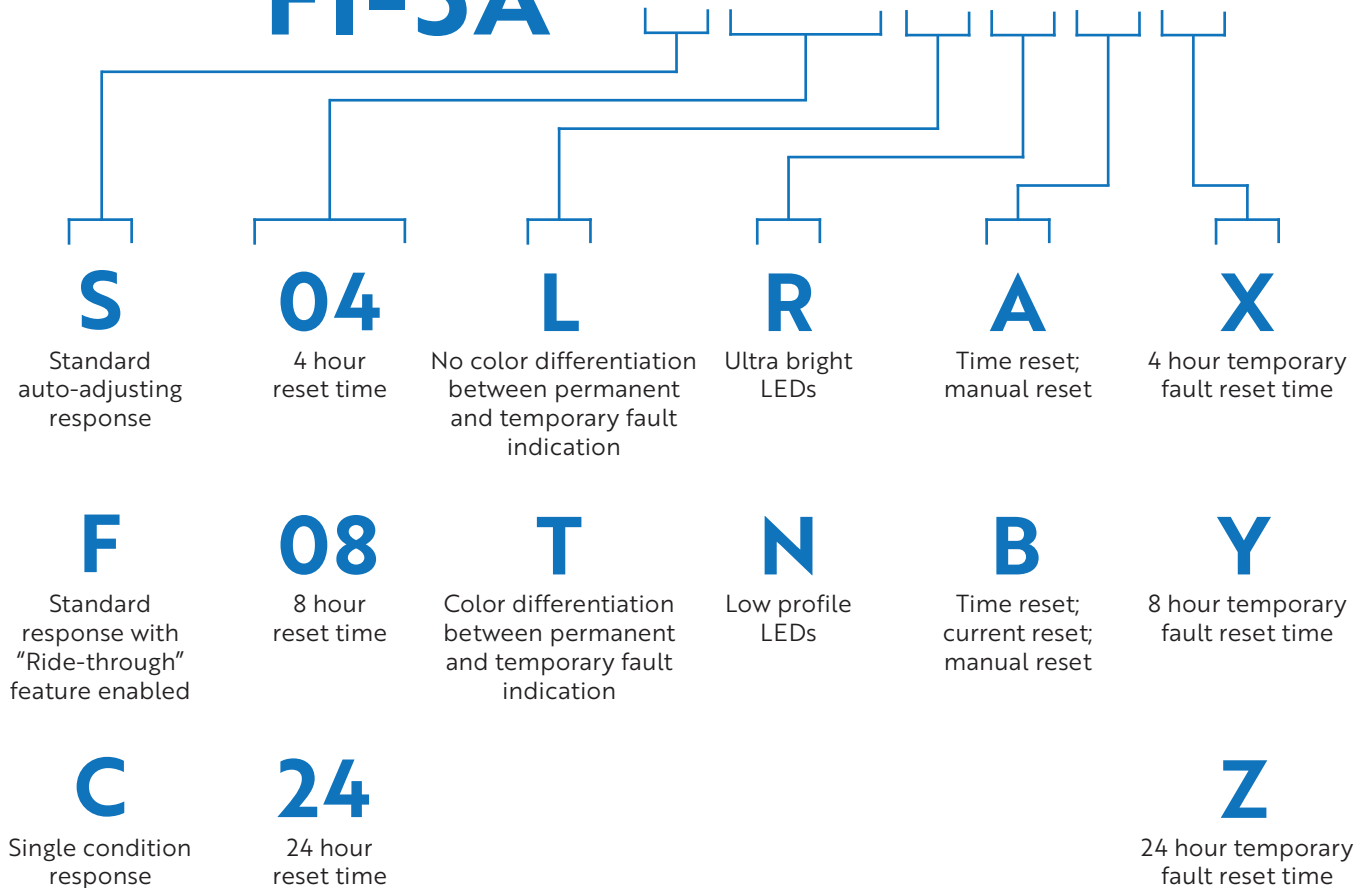
The Patrolman improves system reliability by monitoring overhead lines for faults. Its power-efficient electronics, durable mechanical design, and reliable operating principle ensure a long field life of helping to easily locate faults and quickly re-energize power systems



<b>Trip Current Range</b>	Auto-adjusting trip point with real time load tracking
<b>Voltage Range</b>	Suitable for all voltages up to 69 kV
<b>Power Source</b>	10.9 Ah lithium cells, replaceable *20+ year shelf-life *harvests power from the line when load is >25 A
<b>Current Withstand</b>	25kA for 60 cycles (1 second)
<b>Manufacturer's Warranty</b>	5 years from date of purchase
<b>Installation Diameter Range</b>	0.3 in to 1.7 in (8 mm to 42 mm) *bare or covered conductors
<b>Indication</b>	<ul style="list-style-type: none"><li>• High-intensity LEDs with light sensor</li><li>• Custom designed lens gives true 360 degree visibility</li></ul>
<b>Accuracy</b>	+/-5%
<b>Auto Reset Time</b>	<ul style="list-style-type: none"><li>• Customer specified (standard settings of 4 hr, 8 hr, or 24 hr)</li><li>• Separate reset times available for permanent and temporary faults</li></ul>
<b>Total Indicating Time</b>	>2000 hours
<b>Visibility</b>	>1500 ft daytime; >2500 ft nighttime
<b>Casing Materials</b>	UV stable polycarbonate and potting compound
<b>Current Transformer</b>	Split core corrosion resistant stainless steel
<b>Temperature Range</b>	-50°C to +85°C
<b>Weight</b>	22 oz (620 g)
<b>Notable Features</b>	<ul style="list-style-type: none"><li>• Superior inrush current restraint</li><li>• Recognizes post-fault backfeed current</li><li>• No minimum load current requirement to respond to faults</li><li>• Butterfly-style clamp for easy and safe installation &amp; removal with hot stick</li><li>• Wide variety of settings available to accommodate existing customer practices and modern power systems</li></ul>
<b>Compliance Standards</b>	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.