

Recon

FI-3C Underground Faulted Circuit Indicator

The Recon provides accurate and reliable fault detection in underground power systems with subcycle response times, enabling rapid fault pickup and improved system reliability. Its durable design and intelligent operating principle ensure dependable fault response across a wide range of applications.

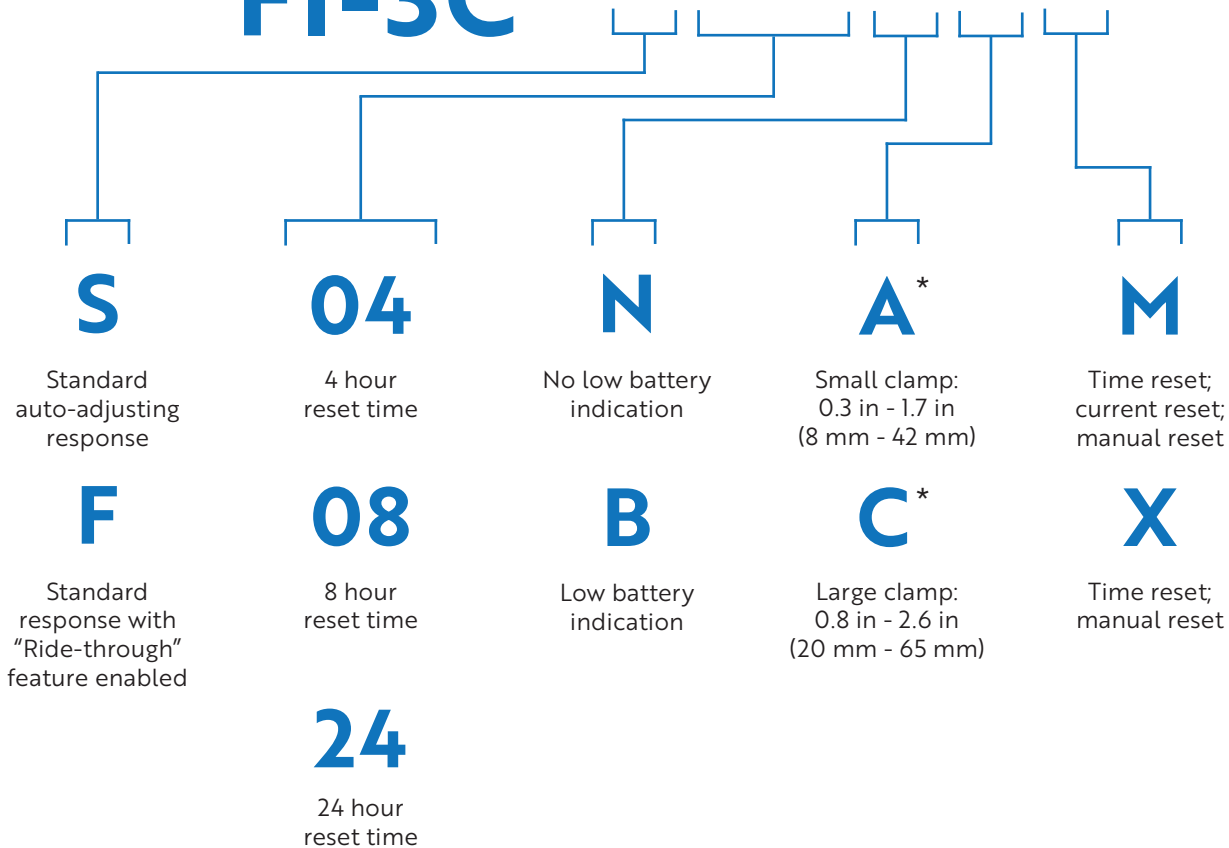


Trip Current Range	Auto-adjusting trip point with real time load tracking
Power Source	2.4 Ah lithium cell, non-replaceable *20+ year shelf-life *harvests power from the line when load is >25 A
Current Withstand	25kA for 1 second
Manufacturer's Warranty	5 years from date of purchase
Installation Diameter Range	<ul style="list-style-type: none">• Small: 0.3 in to 1.7 in (8 mm to 42mm)• Large: 0.8 in to 2.6 in (20 mm to 65 mm)
Indication	<ul style="list-style-type: none">• Standard: local LED• Optional: remote fiber optic indicator• Optional: low battery indication
Accuracy	+/-5%
Auto Reset Time	Customer specified (standard settings of 4 hr, 8 hr, or 24 hr)
Total Indicating Time	>4000 hours
Casing Materials	UV stable polycarbonate and potting compound
Current Transformer	Split core corrosion resistant stainless steel
Temperature Range	-50°C to +85°C
Weight	16 oz (435 g)
Notable Features	<ul style="list-style-type: none">• Subcycle response time as fast as 4 ms for rapid fault response• Superior inrush current restraint• Recognizes post-fault backfeed current• No minimum load current requirement to respond to faults• Wide variety of settings available to accommodate existing customer practices and modern power systems
Compliance Standards	IEEE-495 (2007) compliant and ISO-9001 certified

CATALOG NUMBER



FI-3C



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

Additional Options	Description	Example
-	Standard unit - includes 6 ft fiber optic cable	FI-3C S04NAM
-10	Includes 10 ft fiber optic cable	FI-3C S04NAM-10
-NFO	Does not include fiber optic cable	FI-3C S04NAM-NFO
-3PH	Three-phase kit, which includes three fault indicators and one 6 ft 3-to-1 fiber optic cable	FI-3C S04NAM-3PH
-HEX	Includes an easily applied hex fixing stud	FI-3C S04NAM-10-HEX

*Please note that exact cable diameter and the installation location of fault indicator must be considered when determining the appropriate clamp size. For easy reference and general guidance, here are some examples of cable outside diameters: 1/0 cable is approximately 1.1 in; 4/0 cable is approximately 1.3 in; 750MCM cable is approximately 1.9 in; and 1000MCM cable is approximately 2.1 in.