

- ⊙ ***100 A Minimum Trip Load Tracker***
- ⊙ ***72 Hour Peak Load Memory***
- ⊙ ***Mainline or Lateral Tap Application***
- ⊙ ***High Intensity LED Indication***
- ⊙ ***Visible in bright sunlight***
- ⊙ ***Self diagnostic battery circuit***
- ⊙ ***Replaceable Lithium Cells***
- ⊙ ***360 degree visibility***
- ⊙ ***Manual test and reset***
- ⊙ ***Automatic Inrush Restraint***
- ⊙ ***Micro Processor Controlled***



ANSI/IEEE 495-2007 Compliant
ISO 9001 Certified Factory

The *Navigator LM* is a “one size fits all” Fault Indicator for minimum stock requirements. It can be used on mainline feeders as well as tap circuits.

When applied to an overhead distribution line, the *Navigator LM* samples load current and sets a trip point according to the daily peak load sampled on the circuit. This peak load trip response setting is stored in memory for 72 hours. If a higher peak is established within 72 hours the FCI will reset trip response to the new peak load. After 72 hours, the *Navigator LM* re-samples load current and sets a new trip point according to measured peak load current.

New developments of Super High Intensity Light Emitting Diodes allow *Navigator* fault indicators to be easily seen on the brightest days.

The *Navigator* is the first self powered Fault Indicator with a diagnostic power source monitor. When the Lithium Cell power source becomes low, the *Navigator* will signal a low power condition via an amber flashing LED for up to 6 months.



Navigator LM

TECHNICAL DATA

Electrical Data	MEETS OR EXCEEDS ANSI / IEEE STD. 495-2007
Trip Current Range	100 Amp Minimum @ 200 msec.
Temperature Range	-40 to +85 Degrees C
Accuracy	±10% @ 20 Degrees C
Auto Reset Time	2 H, 4 H, 8 H, 12 H or 24 H (preset at factory)
Current Reset	≥ 3 A load current
Voltage Reset	> 5 KV Line Voltage @ 60 seconds (type 41-2001-5XX)
Power Source	4 Lithium Oxide Cells, replaceable, 20 year Shelf Life
Indication	4 Red LEDs 2 Yellow LEDs
Total Indicating Time	>500 Hours Permanent Fault >1500 Hours Temporary Fault
Flashing Frequency	30 per minute
Maximum Operating Voltage	46KV L-L
Current Withstand	25,000 A / 1 second sym. RMS
Adjacent Cable Immunity	10 inches @ 10KA
Cable Diameter Range	0.3 inches to 1.25 inches
Casing Material	UV stable polycarbonate
Current Transformer	Closed Core Ferrous Stainless Steel
Visibility	1/4 Mile Day / 1/2 Mile Night
Weight	15 oz.
Load Memory	72 Hours

Catalog Number Selection

41	20	01	X SELECT ONE	X SELECT ONE	X SELECT ONE
Navigator Body	Navigator Load Memory	Cable Diameter 0.3" - 1.25"	1 = Current Reset Time Reset Manual Reset	0 = 100A Load Tracker	0 = 2 H Time Reset 1 = 4H Time Reset
			2 = Time Reset Manual Reset	7 = FCI PM Fixed Trip Select Trip Rating	2 = 8 H Time Reset 3 = 12 H Time Reset
			3 = Dual Reset 4 Red & 2 Yellow Manual Reset		6 = 24 H Time Reset
			5 = Voltage Reset Time Reset Manual Reset		