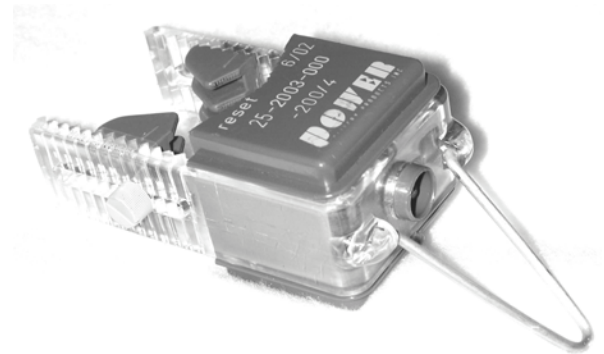


- *Automatic Time and Manual reset*
- *100 amp to 2000 amp trip range*
- *Self powered by lithium cell*
- *Local or Remote LED indication*
- *900 flashing hours*
- *SCADA ready*
- *Manual test and reset*
- *Armed and ready*
- *Lightweight = 5.3 ounces*
- *Hot stick applied*
- *1 minute installation time*



ANSI/IEEE 495-1986 Compliant
ISO 9001 Certified Factory

FCI 222 Series Type M is a self powered indicator for use on underground distribution circuits. Fault registration is evidenced by a flashing red light emitting diode located either directly on the FCI device or remotely visible up to 100 feet via fiber optic cable. The unit is powered by a non-replaceable long life lithium oxide cell that is encapsulated in epoxy resin for consistent reliability to 15 feet of submersion.

Automatic reset is accomplished by time passage of 2 or 4 hours. Trip levels are discrete and factory adjusted to the customers requirements from 100 to 2000 amps. Trip speed is selectable from one of three time current curves. These curves are defined as D (delayed), U (undelayed) and D/U (delayed/undelayed). Please refer to Time/Current Curves in the applications section of the catalog for precise timing curves.



Remote Fiber Optic on FCI



FCI 222 TYPE M TECHNICAL DATA

| ELECTRICAL DATA | MEETS OR EXCEEDS ANSI/IEEE STD. 495-1986 |
|---------------------------|--|
| Trip Current Range | 100 A to 2000A |
| Temperature Range | -40 to +85 Degrees C |
| Accuracy | ±10% for specific cable diameter@ 20 degrees C |
| Auto Reset Time | 2 or 4 Hours |
| Power Source | 1.2 AH Non-Replaceable Lithium Oxide Cell, 15-20 year life |
| Indication | Bright LED, Local or Remote, Hardwired or Optic |
| Total Indicating Time | >900 Hours |
| Flashing Frequency | 30 per minute |
| Maximum Operating Voltage | 46 KV |
| Current Withstand | 25,000 A sym. RMS |
| Adjacent Cable Immunity | 5 inches @ 10KA |
| Weight | 5.3 Ounces |
| Cable Diameter Range | 0.63 Inches to 2.05 Inches |
| Casing Material | UV stable polycarbonate |

| Catalog Number Selection | | | | | | |
|---|--------------------------------------|--------------------------------------|--|--|---------------------|----------------|
| 25 Select Type | X Select Speed | X Select Indication | XX Select Cable | XXX Select Battery Option | Trip Select Trip | Reset Time |
| 25= 222 Type M | 0= delayed 1= undelayed 2= d/u | 0= No Remote 1= 1 phase Hard Wire | 02=.63 to .78 inches 03=.78 to 1.18 04= 1.18 to 1.58 05= 1.58 to 2.05 | 000= Manual and Time Reset Unchangeable Battery | 100 A to 2000 A | 2Hour 4Hour |
| 2658 Holcomb Bridge Rd. Suite 100 Alpharetta, GA 30022 Phone: 770-587-9044 Fax: 770-587-4497 | | | | | | |