EDISON CONTROLS F.C.I., INC.

Products designed to indicate and locate faults on underground electrical distribution circuits.

Dependable Solid-State Technology Manufactured in the USA.

Edison Controls F.C.I, Inc.
195 Industrial Blvd.
Rincon, GA 31326 USA
Tel: 912-754-2481
www.edconfci.com

EDISON CONTROLS F.C.I., INC.

Field Proven Line-Powered Faulted Circuit Indicators

Edison Controls F.C.I. was founded in New Jersey in 1971 to manufacture electrical fault circuit indicators for power utilities. In 1996, the company relocated to Alabama. In 2018 the company relocated to its current headquarters and manufacturing facility in the Effingham Industrial Park in Rincon, Georgia.

Edison Controls F.C.I. has the experience, technology, and manufacturing capacity to respond to the needs of the power industry. Our faulted circuit indicators are designed to minimize restoration time by providing a visual indication of the affected circuit, reducing the costs of fault locating, crew and equipment time. Edison Controls line-powered faulted circuit indicators are a proven design used by IOU's, Co-Ops, Munis, and public utilities everywhere. Hundreds of thousands of units are in service worldwide.

Reliability, Quality, Performance

Edison Controls Faulted Circuit Indicators are line powered; no routine maintenance is required. Permanently installed, they will operate reliably for twenty years or more. All Edison Controls faulted circuit indicators are individually routine tested before shipment to meet stringent assembly and performance specifications. Overload protection, mechanical, and electrical integrity is built in.

Features

- Field proven design manufactured in the USA
- USDA Rural Development Utilities Programs Electric Programs Approval Listing
- Low cost, low lead times, and fast delivery
- Down to 1A available reset current
- Down to 25A trip level available
- High accuracy & stability
- Rugged construction
- Saturating ferrite core
- Submersible
- Transient over-current protection
- Complies with IEEE Std 495

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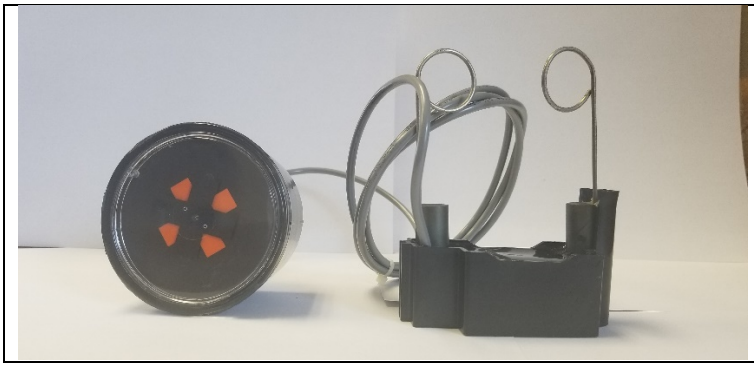
Underground Distribution System Products

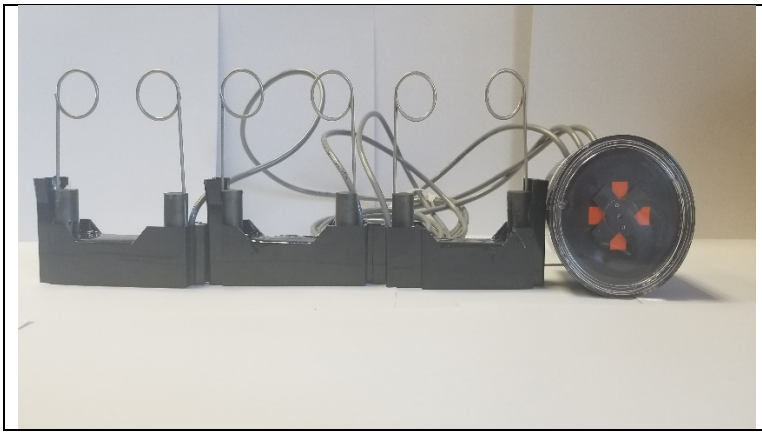
Edison Controls faulted circuit indicators are line-mounted and designed for all underground distribution systems. The remote indicator mounting option provides convenient and highly visible trip indication up to fifty feet from the sensor. Cable size, voltage and location are not critical. The units are completely sealed and submersible.

EC100 Series Single Phase Faulted Circuit Indicators



The EC-11 faulted circuit indicator is a single phase, cable mounted unit with remote indicator, designed for use on the cable as well as the elbow. It is manually applied, and is used for underground applications in pad mount transformers. An optional mounting kit with viewing window provides easy field installation in a transformer housing.

EC300 Series Three Phase Faulted Circuit Indicators



The EC-31 is a three phase, cable mounted unit with remote indicator, designed for use on insulated cable. Bails and tie wraps are included for simple installation. Unit will only reset when the current in each of the three sensors exceeds the reset current. An optional mounting kit with viewing window provides easy field installation in a transformer housing.

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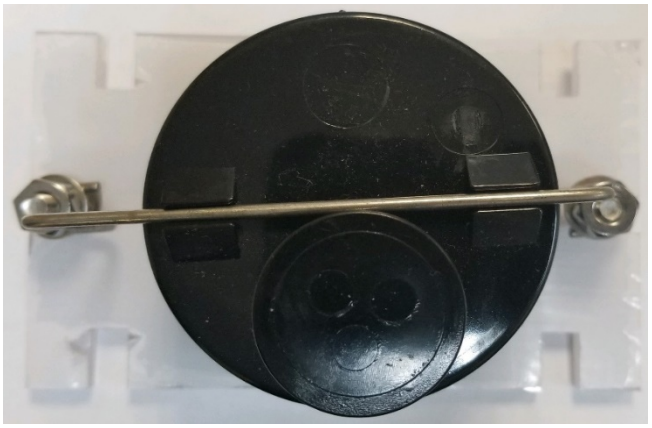
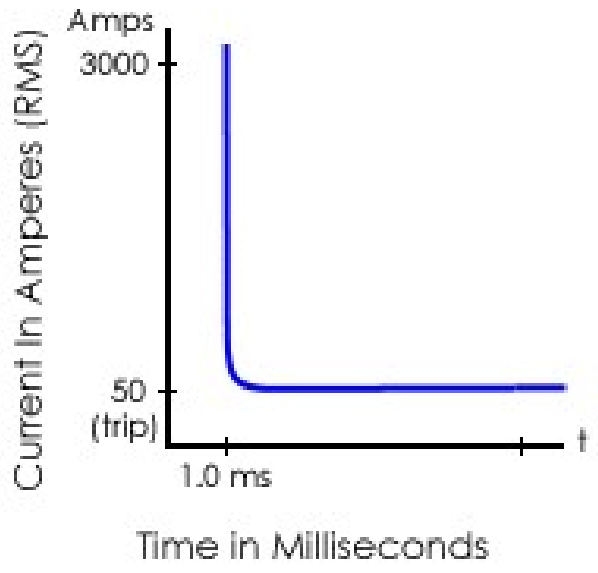
Universal External Viewing Kit Model # KT- 5000

Available as a separate item or an option with our faulted circuit indicators, the KT-5000 universal FCI external viewing kit is manufactured of rugged clear polycarbonate material that offers high impact resistance and immunity to ultraviolet radiation. Supplied with corrosion-prof stainless steel hardware, the kit is quickly and easily mounted in the field or shop with the included mounting template.



General Specifications



- Trip Level: 25 - 3000 A with repeat accuracy of +/- 10%
- Reset Level: 1.0A standard; 3.0A available
- Reset Time: resets automatically in one to four minutes after restoration.
- Trip Response: Normally 1 ms or less; (refer to trip response curve)
- Power requirements: Line powered
- Adjacent Field Susceptibility: Immune to adjacent magnetic field tripping
- Overload Capability: 40,000A peak per IEEE std. 495
- Maximum Continuous Current (Non-trip State):
  3.0A reset Models: 800A
  1.0A reset Models: 600A
- Environmental Capability: Meets IEEE Std. 495
- Life Expectancy: 20 years

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Ordering Information

Single phase EC-11 and three phase EC-31 fault indictor part numbers can easily be developed by substituting for (X) with the appropriate code using the chart of options below. *Other configurations may be available. Contact your local Edison Controls F.C.I. sales representative.*

(X)	0	(X)	(XX)	(XX)	-	B	(XXX)	-	A	(X.X)
1	2	3	4	5		6	7		8	9

1 PHASES

Code	
1	Single Phase
3	Three Phase

2 INDICATOR

Code	
0	Standard Flag

3 CURRENT SENSOR

Code	
0	Small Core up to 2" diameter cable
1	Large Core up to 2 1/4" diameter cable

4 CABLE LENGTH

Code	
06	Standard 6 Feet of Cable
XX	Enter Cable Length in Feet

5 UNIVERSAL VIEWING KIT INCLUDED

Code	
00	No
04	With Universal Viewing Kit 5000

6 TRIP RESPONSE

Code	
B	trip within 1 millisecond upon exceeding trip current level setting

7 TRIP LEVEL

Code	
XXX	Enter Trip Current in amps

8 FCI RESET AFTER TRIP

Code	
A	Standard Automatic Reset

9 RESET CURRENT LEVEL

Code	
1.0	1 Ampere to Reset
3.0	3 Amperes to Reset

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