

EARTH FAULT INDICATOR (EFI)



- Powered from mains supply 110-240V AC
- Mechanical Flag & LED primary indicators
- User-selectable fault trip level, response time, reset period
- Automatic reset of fault state when mains power is restored
- Manages rapid isolation of the faulty section and normalises the remaining network.
- Used in conjunction with One splitable ring type C.T having the 3 1/2" (90mm) dia.
- The secondary (Out put) of the C.T is connected through 15 foot twin core 2x4 sq. mm cable
- Complete weather proofing between secondary terminal to indicator.
- Perfect for outdoor use.



made
in
Pakistan





SINCE 1952

FICO HI-TECH (PVT) LIMITED

power of applied intelligence



Earth fault indicator is designed to assist in the rapid location and isolation of faults on Voltage networks (1-38kV) in single-sided feed or open ring main systems. When an asymmetrical current greater than the User-selectable trip level in a 3-phase cable is detected an earth fault is indicated by means of a mechanical flag indicator and high-intensity LED indicator.

A current transformer splitable type is fitted around the three phases of the cable system being monitored and detects a current imbalance due to an earth fault. An earth fault trip is indicated by a mechanical Flag Indicator, a LED indicator.

- Self-powered by the internal lithium battery with 10 years lifetime and over 2500 flashing hours.
- Battery can be easily replaced with lithium 3,6V - 1/2 AA type (no soldering or tools required).
- Electronic module enclosed in IP65 box linked to the external current transformer CBCT.
- Split-type resin current transformer CBCT ring-type, composed by two halves that can be installed without
- MV cables disconnection and held together by metallic screw tie.

DEVICE TEST:

Simply press the pushbutton for 2 seconds when the device is not flashing. The EFI will start flashing.

DEVICE RESET:

After the device has tripped, it can be reset in the following ways:

- Pressing the pushbutton on the front for 2 seconds.
- TIME RESET: the EFI will reset automatically when the preset time has elapsed.
- 230Vac MAINS RESET: the EFI will reset when the mains 230Vac is back after the fault restoration. Simply connect this input to mains 230 Vac voltage.

Note:

The trigger cut off point is 50mA by default, which can be adjusted as per the request.

Technical features	
Power Source:	110-240VAC +/-20% 50-60Hz
Trip Current Level:	50A ±20% (customer defined).
Power Supply	Self-powered by internal lithium battery 3,6V - 6 AA type. 10 years lifetime with over 2500 hours flashing time. Battery can be easily replaced with lithium 3,6V - 6 AA standard type (no soldering or tools required).
Visual Fault Signalling	Flashing red LED, ultra bright flash at 1 flash per second. Visibility in excess of 5m.
Reset modes	<ul style="list-style-type: none"> ● Automatic after time delay, factory default: 2hrs ± 5min (time value can be customer defined). ● When the 230 Vac mains voltage is restored (link cable not provided). ● By the pushbutton placed on the cover.
Manual Reset:	Push-button on front panel (press for 2 seconds)
Self-Test:	Manual Push Button
Operating Temperature Range:	-20 °C to +70 °C
Operating Humidity Range:	0-100% RH
Dimensions:	
Degree of Protection:	IP65 Polycarbonate
Current transformer Diameter:	Standard ct - 90mm inner - 115mm outer
Warranty period	1 year



FICO HI-TECH (PVT) LTD

power of applied intelligence

FICO street dimaxabad, GT road, gujranwala, Pakistan.

TEL. (0092) 55325553-4
MOB. (0092) 3217422155
E-MAIL sales@fichohitech.com
WEBSITE www.fichohitech.com

