

PROTIME[®]



N96 Series Relay

EFR96-1/i
EFR96-1C/i
EFR96-1C



Special Features

- First & Only of its kind Earth Fault Relay with FAULT CURRENT STATUS INDICATOR
- Aesthetically elegant and compact.
- Wireless interiors.
- Settings by DIP switches
- Test & Auto/Manual Reset facility.
- CE marked relays

Technical Data

- | | |
|-------------------------------|---|
| 1) supply Voltage | - AC-110V,230V,380V,415V / DC-12V,24V |
| 2) Permissible supply Voltage | - + 15%, - 15% |
| 3) Output Contacts | - Two change over (potential free) |
| 4) Switching duty | - 6A resistive at 250V AC or 24V DC |
| 5) Electrical Life | - 10 ⁵ operation at designed switching duty |
| 6) Relay Status | - De-energised in normal conditions |
| 7) Signal | From core balanced current transformer (CBCT) |
| 8) Range | - A = 10-100% (0.5 to 5.0A for 5A CT)
B = 50-100% (2.5A to 5.0A for 5A CT) |
| 9) Time Delay | - 0 - 10Sec |
| 10) Mounting | - Panel Mounting (FLUSH) CUTOUT=92 X 92mm |
| 11) Reset | - User selectable Auto/Manual Reset |
| 12) Approximate Weight | - 170gm |
| 13) Dimension | - 96mm(W) X 96(H) X 80mm(D) |
| 14) ENCLOSURE: | - ABS Type = N96 |
| 15) Operating Temp & RH: | -10°C, +55°C up to 80% |

OPERATION:

The relay EFR96-1/i senses Earth fault current for any equipment like L.T Panels Switch boards, Generators, Motors, Transformers, etc. The Fault current if goes above the selected range on the current dial, the relay energises after the time delay selected on the Time dial. The CT is to be connected externally as per diagram.

The EFR96 series relay has an added advantage of fault current status indication on front by LED's. The LED's will glow when 'STATUS' button is pressed.

The 'Test' button provides facility to stimulate the fault condition & thus checks the system tripping.

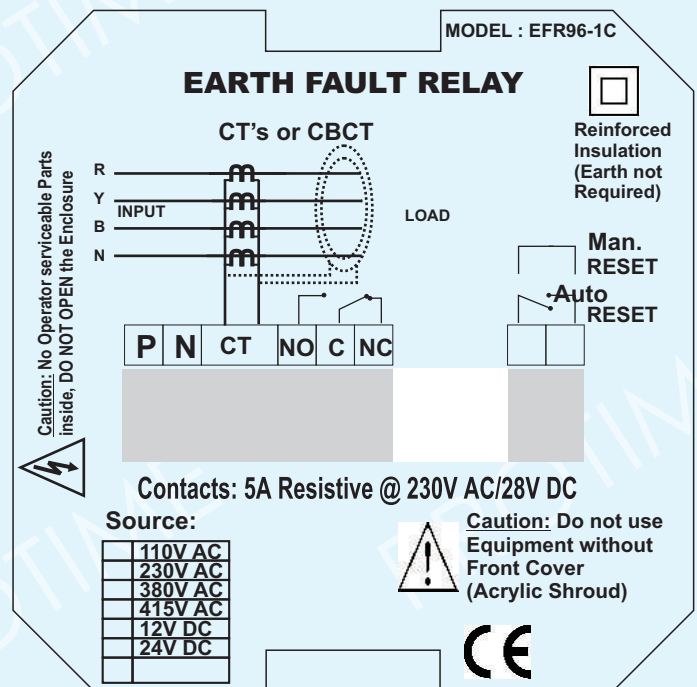
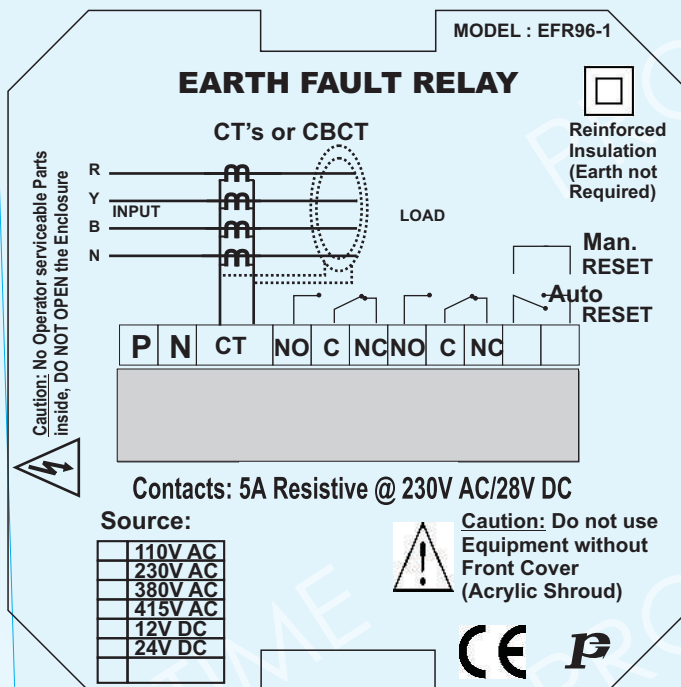
The 'Reset' button provides manually resetting the relay. When link between A/M terminals is connected.

Auto/ Manual Reset:

MANUAL RESET: Connect link between Auto/Man terminals.

AUTOMATIC RESET: Open the link between Auto/Man terminals.

Connection Details



How To Order EFR?

Ordering Pattern-

EFR96-1 - i - S - C - 30S - 5

Indicator
with Fault Current Indicator

Series

EFR96-1: 2 C/O
EFR96-1C: 1C/O

Terminals

S - Screw type terminals

Current Range

A-10 -100%
B-50 -100%

Time Range

10s-upto-10 secs.
30s- " -30 secs.
60s- " -60 secs.

Supply

1-110V AC
2-230V AC
3-380V AC
4-415V AC
5-12 V DC
6-24V DC