

PROTIME®



## N96 Digital Relays

**N96-DEL R**

### Special Features

- Programmable Digital Power Protection Relays with LCD displays
- Wide Time delay ranges with precise settings
- Designed using latest 12 bit Micro controllers
- True RMS Measurement
- 2 selectable tripping ranges
- C.B.C.T. Open/No signal fault indication
- RS 232/485 output-(Optional)
- 0-5V Analog output-(Optional)
- Wide power supply range from 90-270V AC/DC

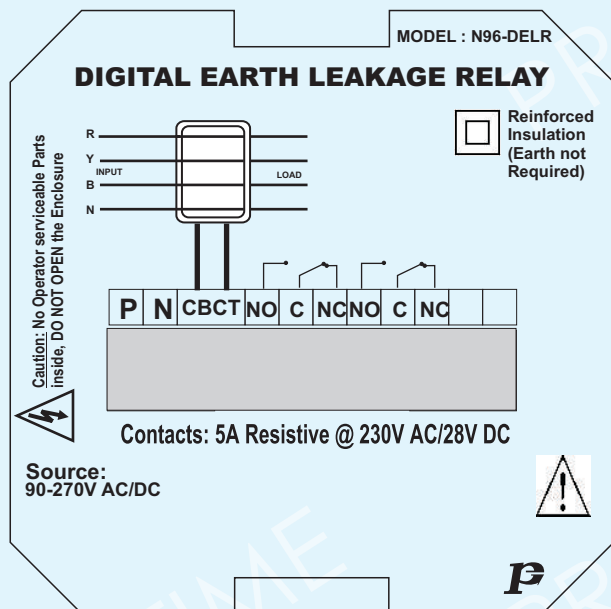
### Technical Data

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|------------------------|--|
| 1) Supply Voltage      | - 90-270V AC/DC  |
| 2) Output Contacts     | - Two change over (potential free)   |
| 3) Switching duty      | - 6A resistive at 250V AC or 24V DC  |
| 4) Electrical Life     | - 10 <sup>7</sup> operation at designed switching duty                                       |
| 5) Relay Status        | - Normal - De-energised in normal conditions<br>Fail Safe - De-energised in fault conditions |
| 6) Signal              | - From CBCT  |
| 7) Range               | - A = 25 - 250mA/50 - 500mA<br>- B = 0.1 - 1A/0.2 - 2A<br>- C = 0.4 - 4A/0.8 - 8A            |
| 8) Time Delays         | - Trip 0 - 10 Sec in steps of 100ms  |
| 9) Mode of operation   | - Under & Over current   |
| 10) Reset              | - User selectable Auto/Manual Reset  |
| 11) Mounting           | - Panel Mounting (Flush) CUTOUT=92 X 92mm  |
| 12) Approximate Weight | - 200gm  |
| 13) Dimension          | - 96mm(W) X 96(H) X 80mm(D)  |

## OPERATION

The Digital Earth leakage relay senses the Earth leakage current for any equipments using 12 bit digital technology. It checks the CBCT initially & if found healthy, will monitor leakage Current & energises relay when current goes out of the range selected. The range of tripping & Time delay is user programmable on Display. Digital Earth leakage Relays are flexible for user to decide the Auto/manual RESET of relays. It also has an option of RS232/485 Connectivity or Analog Signal proportional to Fault Current value in terms of 0-5V.

## Connection Details



## HOW TO ORDER ?

Ordering Pattern (example)- **N96-DELR-A**

N96-DELR - A

Code	<p><b>Tripping Range</b></p> <p>A-25mA - 250mA / 50mA-500mA</p> <p>B-0.1A - 1A / 0.2 - 2A</p> <p>C-0.4A - 4A / 0.8-8A</p>
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