

PROTIME®



N96 Digital Relays

N96D-CR

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 with user programmable Under &/or Over Current tripping
- 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

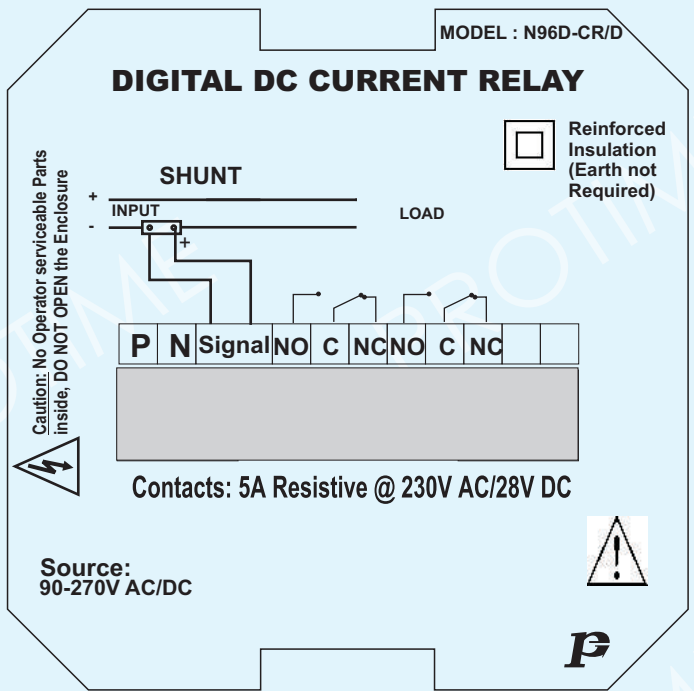
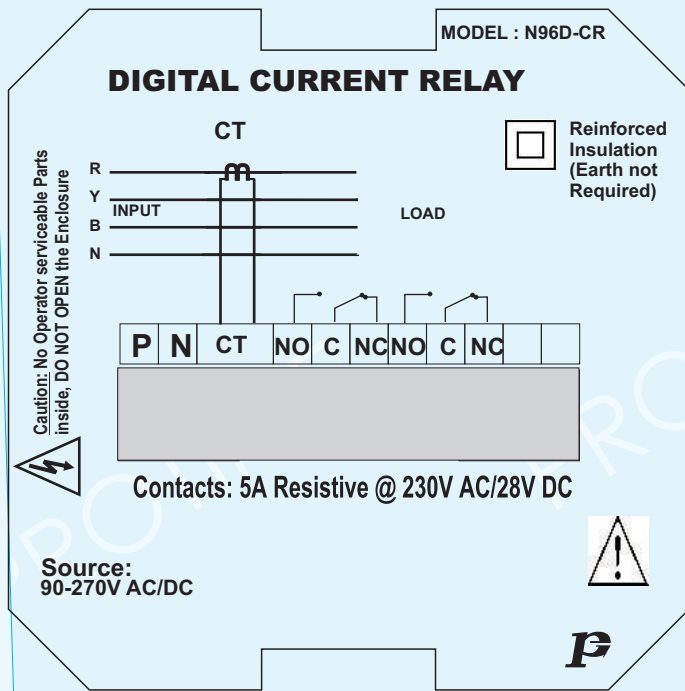
Technical Data

- | | |
|------------------------|--|
| 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 ⁵ operation at designed switching duty |
| 5) Relay Status | - Normal - De-energised in normal conditions
Fail Safe - De-energised in fault conditions |
| 6) Signal | - From CBCT |
| 7) Range | - A = 15-90%
- B = 20-120% |
| 8) Time Delays | - Trip 0 - 10 Sec in steps of 100ms |
| 9) Mode of operation | - Under &/or 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 Current relay monitors the current flowing through the circuit continuously through secondary of CT which is in the current path. When current signal goes out of the range selected, the relay status will change. The relay checks CT for its healthiness first & then starts monitoring fault current. The relays are provided with time delays. Digital CR has a facility for user to program AUTO/MANUAL RESET and NORMAL/FAIL SAFE TRIPPING of relays. Also it has connectivity of RS232/485 as an additional option. **DC Current Relays are also available using Shunt for current Signal.**

Connection Details



HOW TO ORDER ?

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

N96D-CR	-	A
Code		Tripping Range
N96D-CR = for AC		A-10-100%
Current		B- 50-100%
N96D-CRD = for DC		
Current		