

PROTIME<sup>®</sup>



## N96 Series Relay

CR96-1  
CR96-1C



### Special Features

- First & Only of its kind Current Relay
- 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 <sup>5</sup> operation at designed switching duty                        |
| 6) Relay Status               | - De-energised in normal conditions                                           |
| 7) Signal                     | From core balanced current transformer (CBCT)                                 |
| 8) Range                      | - A = 15-90% (0.75 to 4.5A for 5A CT)<br>B = 20-120% (1.0A to 6.0A 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 CR96-1 senses current for any equipment. The 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 'Test' button provides facility to stimulate the fault condition & thus checks the system tripping.

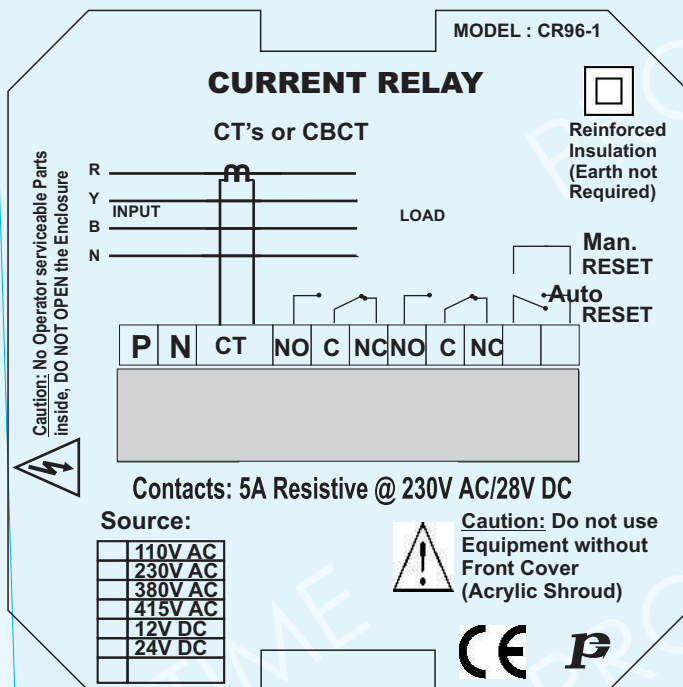
The 'Reset' button provides manually resetting the relay. When link between A/M terminals is connected.

### 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 - - S - C - 30S - 5

#### Series

CR96-1: 2 C/O  
CR96-1C: 1C/O  
CR96-1D: DC Relays

#### 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