



# 296-2360 Earth Leakage Relay with Transformer

## Connection & Test

Check the Auxiliary Voltage on the Relay label and connect it as shown on one of the wiring diagrams adjacent (230V Phase and neutral shown) ensuring that the supply cables pass through the 35mm aperture in the relay.

When the auxiliary voltage is present the Green LED marked POWER will light.

Set the tripping Current as required :  
 (0.03) = 30mA (0.1) = 100mA (0.3) = 300mA  
 (0.5) = 500mA ( 1 ) = 1 Amp ( 3 ) = 3 Amps

Set the Time delay switch as required.  
 0.02 , 0.1, 0.3, 0.5, 0.75 or 1 second.

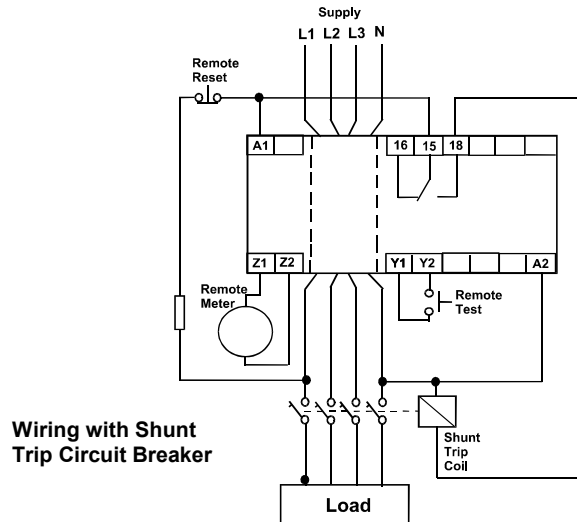
Press the Test button to check that the tripping function operates. The Red LED marked with the Earth sign will light and the POWER LED will go out..

Press the Reset button to reset the relay.

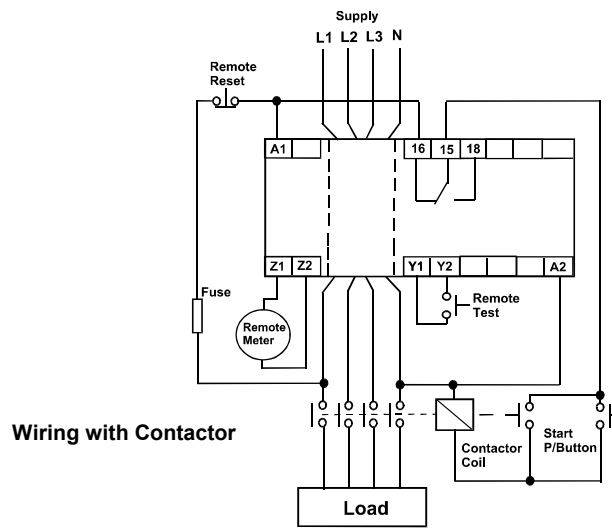
Do not press the Test and Reset buttons together.

## Technical

|                     |   |
|---------------------|---|
| Auxiliary Voltage : | 230V AC   |
| Voltage Tolerance : | + or - 20%  |
| Frequency :         | 50....60Hz  |
| Tripping response:  | 0.03A (30mA) ....3A   |
| Time delay :        | 0.02....1 second  |
| Reset:              | Manual or Remote  |
| Test:               | Local or Remote button  |
| Relay contact:      | 6A, 250V AC Resistive load<br>4.5A, AC11, 250V AC<br>5A DC11 30V DC |
| Remote Meter        | (depending on Trip current )  |
|                     | 0.03A 2.25 mV / mA  |
|                     | 0.1A 0.68 mV / mA   |
|                     | 0.3A 0.25 mV / mA   |
|                     | 0.5A 0.15 mV / mA   |
|                     | 1A 0.07 mV / mA   |
|                     | 3A 0.025 mV / mA  |
| Insulation :        | 1500V AC  |
| Mounting:           | DIN Rail or Screw fixing  |
| Enclosure:          | DIN Rail 6 module   |
| Protection:         | IP41  |
| Terminals:          | IP20  |
| Weight:             | 0.41 Kg   |
| Standards:          | IEC364; IEC755; UTE60 – 130;<br>VDE664; NFC61-141( Sect. 1)         |



Wiring with Shunt Trip Circuit Breaker



Wiring with Contactor

