

■■ MAKERS OF WIDE
RANGE OF OSCILLO
SCOPES. ■■ D. V. M. S.
D. P. M. S. ■■ SIGNAL
GENERATORS. F. E. T.
INPUT MULTIMETERS
■■ POWER SUPPLIES,
AND OTHER CUSTOM
MADE ELECTRONIC
INSTRUMENTS. ■■ ■■



ISO 9001 : 2000

- **Motor Protection Electronic Overload Relays:**

Electronic Overload Relay has a peculiar *tripping characteristic* as per the designated CLASS. The tripping characteristic is an ***Inverse exponential curve of I (Current) Vs T (Tripping Time)***.

Efficient Micro controller unit (MCU) is used to monitor all activities & take the necessary decisions based on that to implement the proper actions.

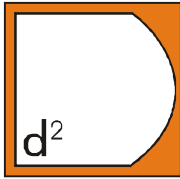
Function:

This device is used to protect 3-phase motors from *over current, single phasing* & other such phenomena.

In any of the above cases, the Electromechanical Relay used in the device trips & switches off the motor to protect it.

The CT module is of 2 separate CTs fitted on to the device to continuously monitor *current* flowing through the respective phase. If any *unbalancing* occurs, the corrective feedback in-turn is given by *MCU* to act accordingly.

I Vs T is the curve (as per international standard) that states *higher* the current *lesser* is the tripping time.



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Salient Features:

1. It's a compact device & not bulky as thermal overload relay. Weight is very less.
2. It has got intelligent electronic brain to take decisions.
3. The actions initiated by micro controller are *sharp & precise* (including the tripping time).

<i>Class</i>	<i>Tripping Range (Current)</i>	<i>Part ID</i>
Class-10	0.63-1A	DSELR-1
Class-10	4-10A	DSELR-10
Class-10	10-16A	DSELR-16
Class-10	16-25A	DSELR-25

4. It can monitor *single phasing phenomenon*.
5. *Thermal memory* provision is made available electronically.
6. It monitors & records *frequent current fluctuations* on the supply lines and act accordingly.
7. Features like *cold-state running of motor & hot time tripping* are also incorporated in it.
8. It can be used in amalgamation of a contactor & can in-turn switch on & off the contactor.
9. Cost wise very much cheaper to the thermal overload relay.

For details, please contact factory.