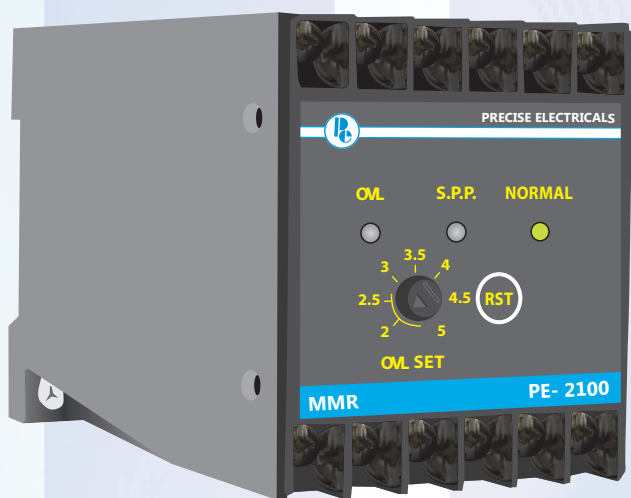


MMR



Electric motors are a crucial components in virtually every industrial automation application or environment. Therefore optimizing their performance and reliability can play a major role in reducing costs and improving overall plant efficiency. Electric motors fail and about half of them fail because of overheating through overload, phase failure or insulation breakdown. There are wide ranges of motors and motor characteristics in existence, because of numerous duties for which they are used and all of them need protection. Fortunately, the more fundamental problems affecting the choice of protection are independent of the type of motor and the type of load to which it is connected. Motor characteristics must be carefully considered when applying for protection. It is emphasized because it applies more to the motor than other items of power system plant. Protection of motor exists in any form, a variety of designs either packaged individually or in different combinations. The fundamental and basic aim should be to permit the motor to operate up to, but not to exceed its thermal and mechanical limits for overloads and abnormal operating conditions and to provide maximum sensitivity to faults.

Order Code	Coted Ramd
PE - 2100	2A TO 5A
PE - 2120	5A TO 12A
PE - 2130	12A TO 30A

FEATURES

- ❖ As a special feature the relay can be used to motor having forward & revers operations giving the protections except incorrect phase sequences.
 - ❖ Advance microcontroller technology.
 - ❖ Overload protection with inverse time characteristics.
- **Protection Against**
- ❖ Over Load
 - ❖ Unbalance protection.
 - ❖ Phase unbalance.
 - ❖ Incorrect phase sequence.
 - ❖ Ultra compact size.
 - ❖ Visual indication of S.P.P. & overload.
 - ❖ Settable overload current & time.

ELECTRICAL SPECIFICATION

CT Input	5, 15VA
Auxiliary supply	440V Ac
AC burden	10 VA at rated current
Relay output	10 amp at 250 V



TECHNICAL SPECIFICATION

- ❖ Over current Setting 2A to 5A continuously adjustable
 - ❖ Inverse time characteristics Selectable thermal characteristic curve.
 - ❖ Unbalance Current 2 to 10 sec continuously adjustable
 - ❖ Single phase (phase failure) Tripping time 3 Sec
 - ❖ Reverse phase Tripping time 3 Sec
- 50% Unbalance, Tripping time: 3 Sec., Inverse characteristics unbalance

MECHANICAL SPECIFICATION

- ❖ Mounting Wall mounting / 35mm Din-rail/Panel
- ❖ Size 70(w) X 60(h) X 110(d) mm
- ❖ Weight 450gm

WIRING DIAGRAM

