

MICROCONTROLLER BASED MOTOR PROTECTION RELAY - F3 MPR1



SPECIFICATIONS

FEATURES

CONNECTION DIAGRAM

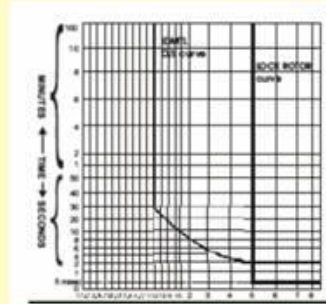
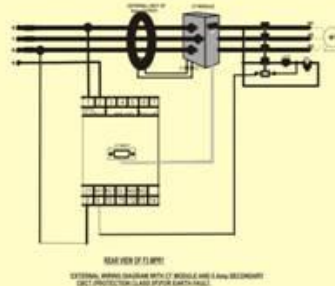
Minilec introduces Microcontroller based relay useful for protection of 3-phase AC induction motors against various hazards like **Phase failure, Phase Unbalance, Phase Sequence, Overloading, Winding over temperature, Over Current / Short Circuit, Locked rotor and Earth Fault.**

- ◇ **System Supply** : 220 - 440 VAC 20%, 45-65 Hz
- ◇ **Auxiliary** : 90-270V AC/DC
- ◇ **Output Contacts** : 2 CO
- ◇ **Serial Communication** : Provision for RS485 output

| Protection Parameter | Setting Range | Trip Delay | Resetting Mode |
|------------------------|--------------------------|--------------------|------------------------|
| Overload Trip Setting | 2 / 5 / 10 / 15 / 20 SEC | As Per IDMTL Char. | Manual |
| Unbalance Trip Setting | 20% - 60% | 1-10 SEC | Multi Attempt/ Manual |
| Phase Failure | N.A. | 1-10 SEC | Multi Attempt / Manual |
| Reverse Phasing | N.A. | Instant | Manual |
| Under Current | 30% - 90% | 1-60 SEC | Auto / Manual |
| Over Current | 300% - 800% | 2-25 Sec | Auto / Manual |
| Lock Rotor | 200% - 500% | 1-10 Sec | Manual |
| Earth Fault Setting | 30% TO 80% | 0.5-10 Sec | Manual |
| PTC Temp. Range | 70 C TO 180 C | 1-20 Sec | Auto / Manual |

- ◇ **Display:** 16 x LCD Display
- ◇ **Dimensions (mm):**
Overall (L x W x D): 110 x 96 x 96
Mounting (L x W) : Panel mounting - 92 x 92
- ◇ **Weight:** 400 gms.

- ◇ **Wide Voltage Range**
- ◇ **Precise settings**
- ◇ **RS485 All details for your PC**
- ◇ **Compact**
- ◇ **Ideal for Pumps, Compressors and Motors in machine tools & conveyors/lifts.**



minilec
An ISO 9001 Company

Minilec (India) Pvt. Ltd.

S. No. 1073/1-2-3, At Post: Pirangoot - 412 111, Tal: Mulshi, Distt: Pune (India)

Tel: (020) 22922162 / 22922354-57. Fax: (020) 22922134

Website: <http://www.minilecgroup.com> E-Mail: mkt1@minilecgroup.com