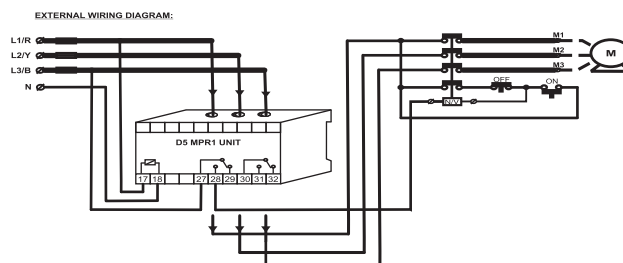


TECHNICAL DATA SHEET FOR D5 MPR1

MICRO CONTROLLER BASED MOTOR PROTECTION RELAY

minilec[®]



It is micro-controller based motor protection relay. It uses state of the art digital technology to measure various parameter of the motor and take corresponding corrective actions. The system consists of hardware design to provide high degree of accuracy and reliability. The micro-controller based protection ensures high accuracy and disturbance free operation.

Packing of your D5 MPR1 will include following -

1. D5 MPR1 unit.
2. Installation manual

FUNCTIONS:

SR.NO.	PROTECTIONS	SR.NO.	FEATURES
1.	Over load	1.	Password Protection
2.	Current Unbalance	2.	Full load Current settable
3.	Current Single Phasing	3.	Ext. CT selectable
4.	Phase reverse	4.	IDMTL curve selection
5.	Lock Rotor	5.	2 CO potential free contact outputs
6.	Under Current	6.	Reverse Phase Protection with bypass facility
		7.	LED indication for power on & trip
		8.	Status mode showing load current
		9.	Parameter setting through LCD & key board
		10.	Operation on wide range auxiliary supply
		11.	Default factory setting or site selectable Parameter
		12.	Fault logging of last 1

Suitable for Panels in Following Applications:

Heavy Duty Motors, Crane Motors
Screw Compressors,AHU Fan Motors
HT Motors,Pump protection, Pump House Automation

SPECIFICATION:

1. System supply:380-440 VAC $\pm$ 20%,45-55 Hz.
2. Auxiliary supply:90-270 VAC/DC, 415 VAC
3. D5 MPR1-up to 175 Amps.
4. Output contacts : 2CO
5. Setting Parameters

Sr. No.	Parameters	Range	Resolution	Fact Setting	Trip Delay Range	Fact Setting	Bypass Facility
1	CT Range	35-175 A	NA	NA	NA	NA	NA
2	Over Load	Above 115% of Set Value	NA	NA	IDMTL class 2, 5, 10, 15, 20, 30 sec	2 sec	NA
3	Set current	35-175 A	1 A	100 Amp	NA	NA	NA
4	Start up delay	0 - 60 sec	1 sec	10 sec	NA	NA	NA
5	Current Unbalance	20 to 60% Fixed	10%	50%	4 sec (+/- 1 sec)	4 sec	NA
6	Single Phasing	Yes	-	-	4 sec (+/- 1 sec)	4 sec	NA
7	Reverse Phase	Yes	-	-	Instant (< 2 sec)	NA	Yes (Password Protected)
8	Rotor Lock	200 - 800%	100%	700%	Instant (< 2 sec)	NA	Yes
9	Under Current	30-174A	2 Amp	50 Amp	1-60 Sec	5 Sec	Yes

6. Fault memory: Last 10 faults
7. Resetting mode :Auto/manual
8. Display:8 x 2 AN LCD.
9. Weight :400 gms (Approx.)
- 10.Dimensions (mm)
Overall :(L x W x D)150 x 73 x 113
Mounting :(L x W) 35 mm DIN Rail

Our Other Products

Alarm Annunciator, Motor/Pump Protection Relays, EOGR,
Phase Failure Relay + UV / OV Relays, Voltage/Current/ Frequency/Reverse Power Monitoring Relays,
Earth Fault/ Leakage Relays, Pump Automation Management system & Controllers, Water Level Controller,
Electronic Timers, Power Line Transducers (V/I/KW/Multi-function/DC-DC Isolators or Barrier/Temp/Resistance/Tap position etc.),
Multi-function Meter, Twin Window/Split AC Controller, Bearing temp Monitoring relays(PT-100)