

# DRY RUN & OVERLOAD PROTECTION RELAY WITH PHASE FAILURE - **D2 MPR1**



**D2 MPR 1** : This relay will protect motor / pump against hazards of Phase Failure, Unbalance, Phase sequence Reversal, Dry Running, Overloading.

Under current (dry running) setting is adjustable and also there is a facility to bypass the undercurrent feature when to be used for motor operating on no-load currents.

Three overload characteristics (2 sec., 5 Sec and 10 Sec) are selectable on the relay. Relay comes with 2 changeover output relay contacts.

## Technical Specifications:

<b>System Voltage:</b>	
System	415/440V AC $\pm$ 20%, 45-65 Hz
Auxiliary	220-240/380-440V AC
<b>Output Relay Contact:</b>	2 CO
<b>Trip Setting</b>	
Phase to Phase Unbalance	50% Motor Current (Fixed)
Under Current (Dry Running)	50% to 80% of set current (Adj. With Bypass Facility)
<b>Over Load</b>	As per inverse time characteristics
<b>Trip Time Delay</b>	
On Phase Failure	4 Sec. $\pm$ 1 Sec.
For Overloading	As per inverse Time Characteristics 2/5/10 Sec. (Selectable)
<b>Resetting</b>	Auto / Manual (Remote by NC Push Button)
<b>Dimensions (mm)</b>	
Overall (L x W x D)	56.5 x 117.5 x 76
Panel Mounting (L x W)	35 mm Rail Mounting & Panel Mounting
<b>Approx Weight</b>	400 gms.

## PROTECTIONS

- ≈ Phase Failure
- ≈ Phase Unbalance
- ≈ Phase Sequence
- ≈ Overloading

## SALIENT FEATURES

- ≈ Auto/Manual Reset
- ≈ Adjustable current trip settings
- ≈ Test Facility
- ≈ UC Bypass Facility
- ≈ Selectable Overload characteristics
- ≈ 2 CO output Relay

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