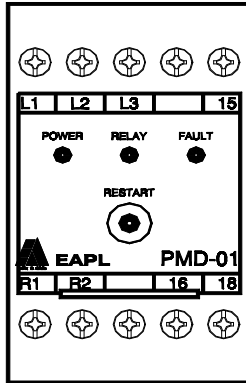
	OPERATING INSTRUCTIONS Model : PMD-01	OPI No. : OPI/025
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Front panel layout:

Terminal Details



L1, L2, L3 : R, Y, B lines of a 3 phase supply

15, 16, 18 : C, NC, NO

R1, R2: External Restart terminals

PMD-01 is a microcontroller based Phase Monitoring Device designed for reliability to monitor phase reversals, single phasing, phase unbalance and under voltage faults in a 3 phase system.

The control output relay switches off the load, if any of the fault conditions occurs thereby preventing damage to the load.

Features:

LED Indication: Three Led indications are provided on the front panel to indicate the power, relay and fault status.

For fault indication of single phase or under voltage or phase reversal the LED glows continuously until fault is cleared. In case of unbalance condition, the fault LED flashes till the fault is cleared.

In case "B" phase fails, LED indication would come ON.

In case of "R" or "Y" phase failing, there will not be LED indication because supply to the unit itself is not there.

Restart button: This button is used to manually restart the load after the fault condition ceases.

External Restart: Terminals R1 & R2 provided on the front panel can be used for automatic restart of load by keeping them permanently shorted (potential free shorting).

Alternatively, R1 & R2 can be connected to a normally open contact which when shorted externally restarts the load.

Caution:

ⓈIf the source voltage shoots beyond the prescribed rated voltage, the units will be damaged beyond repairs. Suitable protection for incoming voltage is recommended.

ⓈEAPL does not take responsibility for any consequential damages.

How to operate:

•Connect R, Y, B phase of a 3 phase system to terminals L1,L2 & L3. The power ON indication glows. In case, the power ON indication doesn't come on, swap any two of the 3 lines. The control relay closes after a small delay and energies the load. The LED indication for relay status is ON.

•In the event of any of the fault condition (single phase, phase reversal, phase unbalance and under voltage) the fault indication comes ON and relay opens.

Wiring Details

