



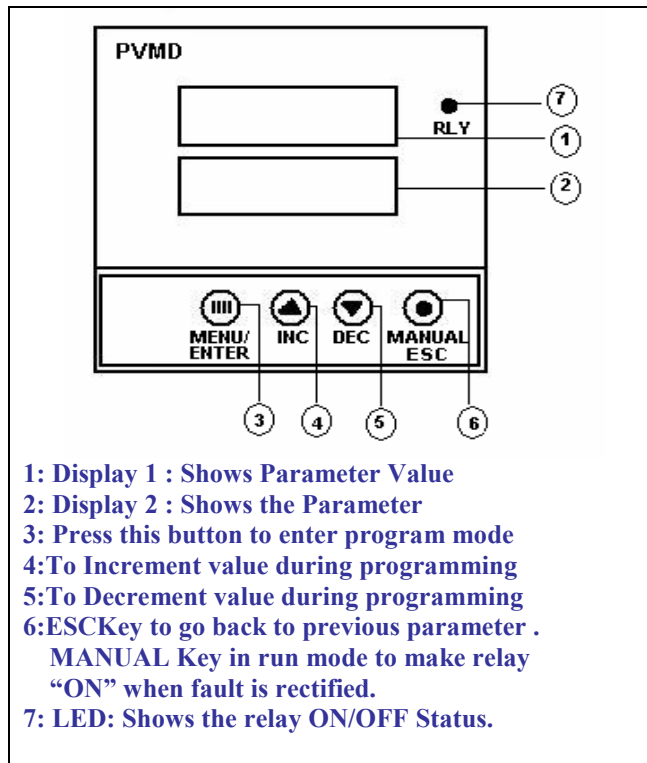
## OPERATING INSTRUCTIONS Model : PVMD

OPI No. : OPI/123

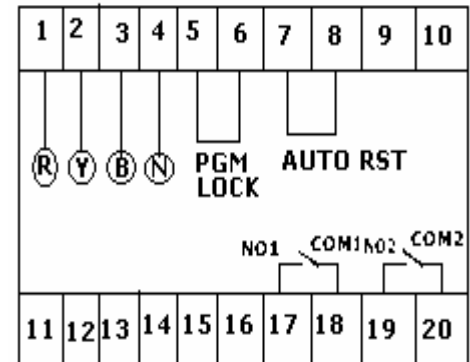
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### Front panel layout



### Terminal Details



- 1: R- Phase**    **5 & 6 : Program Lock**  
**2: Y-Phase**    **7 & 8 : Auto reset**  
**3: B-Phase**    **17&18 : NO1 & COM1**  
**4: Neutral**    **19&20 : NO2 & COM2**

PVMD is a microcontroller digital based Phase Voltage Monitoring Device designed for reliability to monitor **phase reversals, single phasing, phase unbalance, over voltage and under voltage** faults in a 3 phase system.

### How to Program.

- Short terminal 5 & 6 ( Potential free)
- Connect R,Y,B phase and Neutral to 1,2,3 & 4<sup>th</sup> terminal as shown on terminal connection.
- After power "ON" upper display shows EAPL and lower display shows PUCD.
- The upper display starts showing voltage values in a rolling sequence.
- The Lower Display shows the Parameter Ex: "r - U", "y - U", "b -U" in a rolling sequence .

**EAPL**

■ **Press the MENU Button**

The Lower Display show “ **nUOL**” i.e Nominal Voltage.

By Pressing “INC” or “DEC” key on front panel you can set any of these 220/230/240/250 as your nominal voltage.

■ **After setting Nominal Voltage**

Press the Menu Button

The Lower Display show “ **OUOL**” (**Over Voltage**)

By Pressing “INC” or “DEC” key on front panel you can set any of these values from 5 to 60V.

■ **After setting Over Voltage.**

Press the Menu Button

The Lower Display show “ **UUOL**” (**Under Voltage**)

By Pressing “INC” or “DEC” key on front panel you can set any of these values from 5 to 60V.

■ **After setting Over Voltage.**

Press the Menu Button

The Lower Display show “ **UUOL**” (**Under Voltage**)

By Pressing “INC” or “DEC” key on front panel you can set any of these values from 5 to 60V.

■ **After setting Under Voltage.**

Press the Menu Button

The Lower Display show “ **PuBL**” (**Phase Unbalance**)

By Pressing “INC” or “DEC” key on front panel you can set any of these values from 1 to 20%.

■ **After setting Phase Unbalance.**

Press the Menu Button

The Lower Display show “ **tdOU**” (**Trip Delay Over Voltage**)

By Pressing “INC” or “DEC” key on front panel you can set any of these values from 1-250secs.

■ **After setting Trip Delay Over Voltage.**

Press the Menu Button

The Lower Display show “ **tdUb**” (**Trip Delay Unbalance**)

By Pressing “INC” or “DEC” key on front panel you can set any of these values from 1- 250secs.

■ **After setting Trip Delay Unbalance.**

Press the Menu Button

The Lower Display show **“byPS” (Over Voltage Bypass)**

By Pressing “INC” or “DEC” key on front panel you can set **OVL Y**(yes) or **OVL n**(no).

■ **After setting Over Voltage Bypass.**

Press the Menu Button

The Lower Display show **“byPS” (Under Voltage Bypass)**

By Pressing “INC” or “DEC” key on front panel you can set **UVL Y**(yes) or **UVL n**(no).

■ **After setting Under Voltage Bypass**

Press the Menu Button

The Lower Display show **“byPS” (Unbalance Bypass)**

By Pressing “INC” or “DEC” key on front panel you can set **UBL Y**(yes) or **UBL n**(no).

Press the Menu button, the unit is ready for operation, Remove the short terminal 5 & 6 to lock the set program.