



**BLACK
CURRANT**

LE ELECTRONICS Pvt. Ltd.

Product name: *Line Voltage Monitoring Relay (LVM)*



Model No: (LVM-P2) 22.5 mm series with 2 preset

Model No: (LVM-P3) 22.5 mm series with 3 preset

Model No: (LVM-P4) 22.5 mm series with 4 preset

Features:

- True rms measurement
- Upto 4 parameter settings through presets
- Fault indication for UV, OV, UB, RP, SPPV *
- True phase difference measurement
- Compact, robust and light weight design
- In built trip relay
- Auto / Manual / Remote reset with onboard reset switch
- Selectable Input Voltage range in LVM

Line Voltage Monitors 22.5 mm series with 2 preset:

Model No. vs. Parameters	Over Voltage	Under Voltage	Unbalance	Trip Delay	On delay	Reset
LVM-P2A	PT1 (105 to 120 %)	PT2 (80 to 95 %)	30 V	5 Sec	5 Sec	Auto / Remote / Key
LVM-P2B	PT1 (105 to 120 %)	PT1 (80 to 95 %)	30V	PT2 (0 to 10 Sec)	PT2 (0 to 10 Sec)	Auto / Remote / Key
LVM-P2C	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (30 to 60 V)	5 sec	5 Sec	Auto / Remote / Key
LVM-P2D	PT1 (105 to 120 %)	PT1 (80 to 95 %)	30 V	PT2 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LVM-P2E	10 %	10 %	PT1 (30 to 60 V)	PT2 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LVM-P2F	10 %	10 %	PT1 (30 to 60 V)	PT2 (0 to 10 Sec)	PT2 (0 to 10 Sec)	Auto / Remote / Key
LVM-P2G	PT1 (105 to 120 %)	10 %	PT2 (30 to 60 V)	5 Sec	5 sec	Auto / Remote / Key

Line Voltage Monitors 22.5 mm series with 3 preset:

Model No. vs. Parameters	Over Voltage	Under Voltage	Unbalance	Trip Delay	On delay	Reset
LVM-P3A	PT1 (105 to 120 %)	PT2 (80 to 95 %)	30 V	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LVM-P3B	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (30 to 60 V)	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LVM-P3C	PT1 (105 to 120 %)	PT2 (80 to 95 %)	PT3 (30 to 60 V)	5 Sec	5 Sec	Auto / Remote / Key
LVM-P3D	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (30 to 60 V)	PT3 (0 to 10 Sec)	PT3 (0 to 10 Sec)	Auto / Remote / Key

Line Voltage Monitors 22.5 mm series with 4 preset:

Model No. vs. Parameters	Over Voltage	Under Voltage	Unbalance	Trip Delay	On delay	Reset
LVM-P4A	PT1 (105 to 120 %)	PT2 (80 to 95 %)	30 V	PT3 (0 to 10 Sec)	PT4 (0 to 10 Sec)	Auto / Remote
LVM-P4B	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (30 to 60 V)	PT3 (0 to 10 Sec)	PT4 (0 to 10 Sec)	Auto / Remote
LVM-P4C	PT1 (105 to 120 %)	PT2 (80 to 95 %)	PT3 (30 to 60 V)	PT4 (0 to 10 Sec)	5 Sec	Auto / Remote
LVM-P4D	PT1 (105 to 120 %)	PT2 (80 to 95 %)	PT3 (30 to 60 V)	PT4 (0 to 10 Sec)	PT4 (0 to 10 Sec)	Auto / Remote
LVM-P4E	PT1 (105 to 120 %)	PT2 (80 to 95 %)	30 V	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote

Types of supply:

Single Phase (2 wire) & Three Phase (3wire / 4 wire) Models

Technical specifications:

Auxiliary supply: From RYBN
Burden on Line: 5 VA per phase (Maximum)
Accuracy class: 0.5%

Temperature: Operating: 0° to 50° C
Storage: -20° to 75° C

Dimensions (L x B x H mm): 110 mm, 22.5 mm, 75 mm Approximately
Mounting (L x W): 35 mm din rail mounting

Weight:

Relay Contact rating: 230VAC, 5A Max, NO-C-NC

Applications:

- Generator Control Panel
- Distributive Control panel
- Electrical Control Panel
- Generator Sets
- Test Bench

- APFC Panel
- Energy Management
- Motor Control
- Auto Mains Failure Panels
- Battery Charger Panels
- Inverter Panels, UPS

Terminal connection:

Contact:



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* UV- Under Voltage,
OV- Over Voltage,
UBV- Unbalanced Voltage,
RPV- Reverse phase Voltage,
SPPV- Single Phase Voltage Protection,