



**BLACK
CURRANT**

LE ELECTRONICS Pvt. Ltd.

Product name: Line Current Monitoring Relay (LCM)
(22.5 mm series without Display)

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

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

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

Features:

- True rms measurement
- Upto 4 parameter settings through presets
- Fault indication for UC, OC, UBC, RPC, SPPC *
- Compact, robust and light weight design
- 2 CO relay output
- Manual / Remote reset with onboard reset switch
- *Smart* load switch off detection

Line Current Monitors 22.5 mm series with 2 preset:

Model No. vs. Parameters	Over Current	Under Current	Unbalance	Trip Delay	On delay	Reset
LCM -P2A	PT1 (105 to 120 %)	PT2 (80 to 95 %)	500mA	5 Sec	5 Sec	Auto / Remote / Key
LCM -P2B	PT1 (105 to 120 %)	PT1 (80 to 95 %)	500mA	PT2 (0 to 10 Sec)	PT2 (0 to 10 Sec)	Auto / Remote / Key
LCM -P2C	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (500mA to 1 A)	5 sec	5 Sec	Auto / Remote / Key
LCM -P2D	PT1 (105 to 120 %)	PT1 (80 to 95 %)	500mA	PT2 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LCM -P2E	10 %	10 %	PT1 (500mA to 1 A)	PT2 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LCM -P2F	10 %	10 %	PT1	PT2 (0 to	PT2 (0 to	Auto /

			(500mA to 1 A)	10 Sec)	10 Sec)	Remote / Key
LCM -P2G	PT1 (105 to 120 %)	10 %	PT2 (500mA to 1 A)	5 Sec	5 sec	Auto / Remote / Key

Line Current Monitors 22.5 mm series with 3 preset:

Model No. vs. Parameters	Over Voltage	Under Voltage	Unbalance	Trip Delay	On delay	Reset
LCM -P3A	PT1 (105 to 120 %)	PT2 (80 to 95 %)	500mA	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LCM -P3B	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (500mA to 1 A)	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
LCM -P3C	PT1 (105 to 120 %)	PT2 (80 to 95 %)	PT3 (500mA to 1 A)	5 Sec	5 Sec	Auto / Remote / Key
LCM -P3D	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (500mA to 1 A)	PT3 (0 to 10 Sec)	PT3 (0 to 10 Sec)	Auto / Remote / Key

Line Current Monitors 22.5 mm series with 4 preset:

Model No. vs. Parameters	Over Voltage	Under Voltage	Unbalance	Trip Delay	On delay	Reset
LCM -P4A	PT1 (105 to 120 %)	PT2 (80 to 95 %)	500mA	PT3 (0 to 10 Sec)	PT4 (0 to 10 Sec)	Auto / Remote
LCM -P4B	PT1 (105 to 120 %)	PT1 (80 to 95 %)	PT2 (500mA to 1 A)	PT3 (0 to 10 Sec)	PT4 (0 to 10 Sec)	Auto / Remote
LCM -P4C	PT1 (105 to 120 %)	PT2 (80 to 95 %)	PT3 (500mA to 1 A)	PT4 (0 to 10 Sec)	5 Sec	Auto / Remote
LCM -P4D	PT1 (105 to 120 %)	PT2 (80 to 95 %)	PT3 (500mA to 1 A)	PT4 (0 to 10 Sec)	PT4 (0 to 10 Sec)	Auto / Remote
LCM -P4E	PT1 (105 to 120 %)	PT2 (80 to 95 %)	500mA	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote

	120 %)	95 %)		10 Sec)		Remote
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Types of supply:

Single Phase & Three Phase Models

Technical specifications:

Auxiliary supply: 170 to 290 VAC, 50Hz

Burden on Aux: 5 VA 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 – 2 CO

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

Contact:



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- * UC- Under Current,
- OC- Over Current, Current
- UBC- Unbalanced Current,
- RPC- Reverse phase Current,
- SPPC- Single Phase Current Protection