



**LE ELECTRONICS Pvt. Ltd.**

**Product name: *Line Frequency Monitoring Relay (LFM)***

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

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

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

**Features:**

- Upto 4 parameter settings through presets
- Fault indication for UF, OF
- Compact, robust and light weight design
- In built trip relay
- Auto / Manual / Remote reset with onboard reset switch
- Selectable Voltage range

**Line Frequency Monitors 22.5 mm series with 2 preset:**

<b>Model No. vs. Parameters</b>	<b>Over Frequency</b>	<b>Under Frequency</b>	<b>Trip Delay</b>	<b>On delay</b>	<b>Reset</b>
<b>LFM -P2A</b>	PT1 (102 to 110 %)	PT2 (90 to 98 %)	5 Sec	5 Sec	Auto / Remote / Key
<b>LFM -P2B</b>	PT1 (102 to 110 %)	PT1 (90 to 98 %)	PT2 (0 to 10 Sec)	PT2 (0 to 10 Sec)	Auto / Remote / Key
<b>LFM -P2C</b>	PT1 (102 to 110 %)	PT1 (90 to 98 %)	5 sec	5 Sec	Auto / Remote / Key
<b>LFM -P2D</b>	PT1 (102 to 110 %)	PT1 (90 to 98 %)	PT2 (0 to 10 Sec)	5 Sec	Auto / Remote / Key
<b>LFM -P2E</b>	5 %	5 %	PT1(0 to 10 Sec)	PT1 (0 to 10 Sec)	Auto / Remote / Key
<b>LFM -P2F</b>	PT1 (102 to 110 %)	5 %	5 Sec	5 sec	Auto / Remote / Key

**Line Frequency Monitors 22.5 mm series with 3 preset:**

<b>Model No. vs. Parameters</b>	<b>Over Frequency</b>	<b>Under Frequency</b>	<b>Trip Delay</b>	<b>On delay</b>	<b>Reset</b>
<b>LFM-P3A</b>	PT1 (102 to 110 %)	PT2 (90 to 98 %)	PT3 (0 to 10 Sec)	5 Sec	Auto / Remote / Key

**Line Frequency Monitors 22.5 mm series with 4 preset:**

<b>Model No. vs. Parameters</b>	<b>Over Frequency</b>	<b>Under Frequency</b>	<b>Trip Delay</b>	<b>On delay</b>	<b>Reset</b>
<b>LFM-P4A</b>	PT1 (102 to 110 %)	PT2 (90 to 98 %)	PT3 (0 to 10 Sec)	PT4 (0 to 10 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

**Contact:**



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\* UF- Under Frequency,  
OF- Over Frequency,