

SYNCHROSCOPE



UL File No. E236904



OPERATION PRINCIPLE

- A synchroscope indicates the synchronization point (scale center) when the frequencies and the phases at a generator side and a bus line side are matched.
- If the frequencies of both side are equal, the position at which the needle is stationary indicates the phase difference between the two.
- When the generator side (starting side) frequency is f_G and the bus line side (operating side) frequency is f_B , the direction of rotation of the needle is as follows:

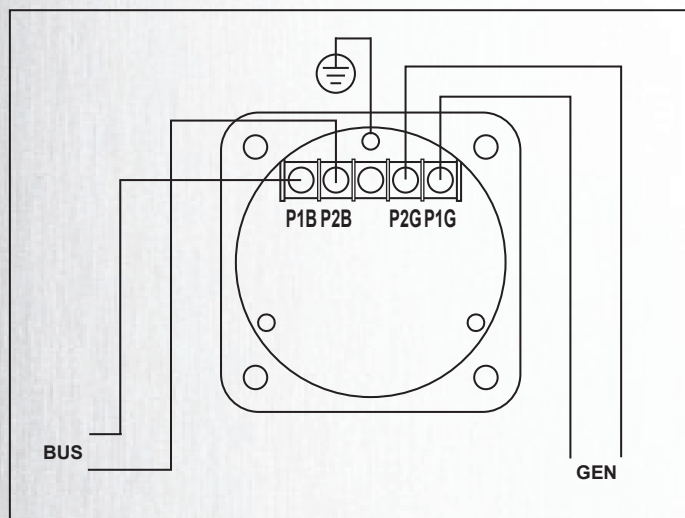
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|------------------|--|
| When $f_G = f_B$ | The needle is stopped |
| When $f_G > f_B$ | The needle rotates in the FAST direction |
| When $f_G < f_B$ | The needle rotates in the SLOW direction |

- Input voltage:
110V AC, 120V AC, 220V AC, 230V AC or 240V AC.
- Standard 4.5 inch switchboard
- Front panel mount
- 360° indication
- Metal case

SPECIFICATIONS

| | LS-110A SYNC (110V) | LS-110A SYNC (120V) | LS-110A SYNC (220V) | LS-110A SYNC (230V) | LS-110A SYNC (240V) |
|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Nominal Input Voltage | 110V AC | 120V AC | 220V AC | 230V AC | 240V AC |
| Frequency Range | 50 Hz or 60 Hz | | | | |
| Scale | SLOW / FAST | | | | |
| Indication | Moving Pointer | | | | |
| Angle of Rotation | 360° | | | | |

WIRING DIAGRAM



DIMENSIONS

