Analog Meters

LS110SYNC

LED Synchroscope



Theory of Operation

Initially, SYNC, BUS and GEN LED's are lit Red and the outer ring will show a single Red traveling LED. When voltage and phase angle are unmatched the outer ring LED rotates according to the system phase difference.

When the BUS voltage is at +/-10% of nominal system voltage, the BUS LED will change from Red to Green signifying proper BUS voltage has been established. When the GEN voltage is at +/-10% of nominal system voltage the GEN LED will change from Red to Green signifying proper GEN voltage has been established.

Once the BUS and GEN voltages are at their proper values, and the system has come into phase, the outer ring LED will stop rotating at the 12 o'clock position and change from lit Red to lit Green.

Finally, once all system voltages match and the systems re synchronized, the SYNC LED will change from Red to Green. All LED's are now Green when the systems are synchronized.

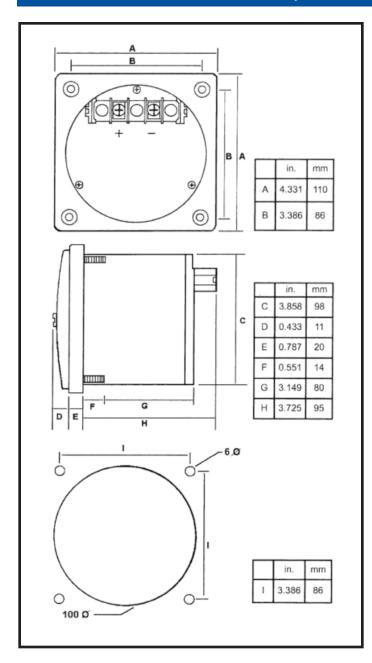
- Standard 4.5" switchboard case
- Front panel mount
- 120V,AC or 240V,AC input voltages
- 3 BiColor LED indicators for "SYNC", "GEN" and "BUS"
- 24 LEDs display the phase angle between 2 networks with 360° LED indication
- 12 o'clock LED is BiColor
- BiColor "SYNC" LED is only activated if both network voltages are within the set limits
- Customer logos and custom artwork available on dialface
- Available options include panel gaskets and traceable calibration

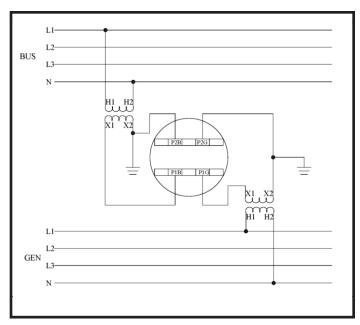


SPECIFICATIONS			
Nominal Input Voltage	120V,AC	240V,AC	
Overload	1.25 x Nominal		
Frequency Range	35 ~ 70Hz		
Scale	SLOW / FAST		
Pointer LED	15 degrees/LED		
BUS LED	Green: 108V-132V,AC	Green: 216V-264V,AC	
(BiColor)	Red: <108V / >132V,AC	Red: <216V / >264V,AC	
GEN LED	Green: 108V-132V,AC	Green: 216V-264V,AC	
(BiColor)	Red: <108V / >132V,AC	Red: <216V / >264V,AC	
SYNC LED (BiColor)	Green: BUS + GEN are synchronized	Green: BUS + GEN are synchronized	
	Red: BUS and GEN are not synchronized	Red: BUS and GEN are not synchronized	

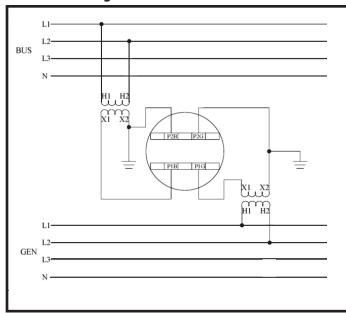


CUTOUTS, DIMENSIONS AND CONNECTIONS





Alternate Wiring



ORDERING INFORMATION			
Part Number	Description Input		
LS110SYNC1	4.5" LED Synchroscope	120V,AC	
LS110SYNC2	4.5" LED Synchroscope	240V,AC	



For more information and certifications, please contact:

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