

LED Signal Unit for Subsidiary Aspect Shunt Signal with Built in Current Regulator

Features:

- Light Emitting Diode (LED) technology offers the ultimate in reliability, resulting in lower operating and maintenance cost.
- Compatible with SSI and Relay Interlocking.
- Phantom Free Design, Low Power Consumption, Fail Safe Design.
- Comply with the general and technical requirements of LED signal units for railway signaling application in RE, NON-RE, METRO installations
- Minimum visibility distance of 200 Meter (In clear daylight with peak sunrays at rated voltage).
- LED Signal Lighting Units is visible to a driver stopping at the foot of the signal.
- Lamp proving possible through Relay (ECR) or Electronic Means (EI)
- UV Stabilized lense to meet outdoor applications
- Current regulator is Built In
- Approved by RDSO Lucknow- Indian Railways



RDSO Specification No.
RDSO/SPN/153/2011

Technical Specifications:

Color of the Unit	WHITE
Power Supply	110 V AC, SINGLE PHASE, 50 Hz
Input Variation	88V to 132V
Input Current	52.25 mA to 57.75 mA
Load Regulation	± 2% (From 88V to 132V)
Display Area	85 mm dia ± 1 mm.
Operation Temperature	-10° C To 70° C. (RH UPTO 95%)
Illumination	27 to 42 Lux (at 1.5 mtr in Axial Direction)
Dispersion Angle	13° to 17°
Color Co-Ordinates	Class 'C' OF BS 1376-1974
No. of LEDs	Min. 13
Di-electric Strength	> 100 MΩ
H.V. Breakdown Test	1.5 kV applied between All current carrying shorted together and Earth for 1 minute
Guaranteed Off Voltage	Below 60V
LED Failure Detection	Before Light output lower than 50% of nominal.

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