

Electronic LC Gate Telephone System

Features:

- System consists of One Master Telephone with facility to connect upto 6 Gate Telephones (3 Gates on each side) and Power Supply Unit
- System facilitates communication between ASM Office and LC Gates
- Separate Power Supply for Master Telephone with Battery Backup.
- Facility to connect Solar Panel output is also provided
- Surge protection units are provided with every Master and Gate Telephone
- Provision to connect External Power Supply to Gate Telephone (12V+20%) in case required
- Gate Telephones are configurable for unique ID with Up / DN side
- Voice Recording and Playback Facility
- GPS with Antenna for accurate time setting
- Conference Call feature for All UP and All DN Gates
- Approved by RDSO Lucknow - Indian Railways



RDSO Specification No-
RDSO/SPN/TC/51/2021 Rev.1

Technical Specifications:

Power Supply	Nominal Input	230V AC, 50 Hz, 1Ø
	Input Voltage Range	160V to 270 V
	Output	12VDC- 500 mA & 24VDG 500 mA
	Ripple	< 5 mV
	Power Backup	24V – 7AH Battery
	Battery Charging Provision	Through Power Supply OR Solar Panel
MasterTelephone	Sensitivity	Better than-20 dBm
	Voice Recording	64 kbps PCM Coding (Date, Time with stamping of Station Identity)
	Frequency Response	± 3 dB for 300-3400 Hz
	Recorded Signal Distortion	< 5%
	Voice storage capacity	200 Hours on a Minimum 8 GB SSD (FIFO Basis)
	Local Clock	Updated with GPS OR RTC (Accuracy: + 3.5 PPM)
Gate Telephone	RBT Level	Greater than-12 dBm.
	Buzzer Output	> 80dB
System Parameters	GPS Accuracy	10 ms (Min)
	Send Efficiency	< 3%
	Receive Efficiency	< 3%
	Side tone	< -18dBm with the oscillator level at -44dBm.
	Insertion Loss	"On Hook" < 1dB & "Off Hook" < 1.5dB

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