

Control Communication Equipments For OFC Using 2 Wire Telephones CCEO

Features:

- CCEO system used for Control Communication between Control office and way stations.
- System Working with an Optical Fibre Communication System and also works through quad cable.
- Control Room Equipment (CRE) is provided on the controller's desk to selectively call any way station or any local telephone.
- Test Room Equipment (TRE) is provided in the test room for carrying out maintenance and testing functions on way station equipment.
- Min 20 telephone connections through LTE. Controller can dial any of these numbers as and when required.
- System can connect up to 4 telephones within the station local area with the help of the MTWE unit.
- More than 4 telephones, TWA unit and additional MTWE unit to be used.
- Visual indication for missed call alert at RIU
- Minimum 4 distinctive ringtone facility.
- Minimum 80 way station calling facility with General and Group Calling
- Mic and speaker for conversing on line along with individual volume controls & level indicators.
- 'Patching' & 'Un-patching' of channel manually or remotely.
- "Lock & Key" provision to prevent unauthorized use.
- Facility to back up station numbers.
- Compatible with existing Way station equipment as per IRS: TC- 60 along with 2-Wire or 4-Wire Way Station Control Telephone as per IRS: TC 37-97 & TC 38-97
- Approved by RDSO Lucknow - Indian Railways



RDSO Specification No- RDSO/SPN/TC/66/2007 Ver 1.0

Technical Specifications:

Power Supply required	-48 V DC $\pm$ 20%
Voice Frequency (VF) Channel impedance	600 Ω $\pm$ 10%.
Voice Frequency (VF) Transmission Level	-4 dBm to 8 dBm.
Voice Frequency (VF) Transmission Level Variation	$\pm$ 6 dB
Microphone	50-15000 Hz, 2 mV/pa, 600 Ω Impedance
Loudspeaker	4 Watt(Min)
Insulation Level	> 20M Ω @500VDC
High Voltage Withstand Capacity	1 KV AC (RMS) for 1 Minute

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