

CONTROL OFFICE EQUIPMENT

As per RDSO Specn. IRS:TC-60/2007

INTRODUCTION

The train traffic control equipment with DTMF Voice Frequency signaling is used in omnibus speech circuits like section control, TPC control, Deputy Control etc. used in Railways. This equipment can run both, in 2 wire or 4 wire control circuits. DTMF signaling uses two standard tones in voice frequency band for selectively calling the way side stations. DTMF tones as per CCITT standard is used for generation of signaling code which is in VF band and thus in-band signaling is used. This code is generated simply by operation of 2 keys on the control console.



TECHNICAL SPECIFICATIONS

CODE GENERATOR:

Maximum No. of station code 2-digit code	:	99 [01 to 99]
Group Code	:	4 Group Codes, (AA, BB, CC, DD)
General Code	:	All the Stations Called at the. Same time by pressing GG.
To Repeat a Code	:	The last transmitted code can be repeated by pressing push button Switch "RT"
Long Ring	:	The ringing period at the way side station can be extended for longer duration by pressing pushes button Switch "LR"
Display of transmitted code	:	Provided with Red seven segment displays and which reads till next code is transmitted.
Resetting the system	:	The system shall be reset by pressing push button switch "RS".
To Delete a Code	:	Code shall be cancelled by pressing a single push button switch "DL"
Row/Column Frequency	:	Can be checked by pressing push button "RC". R1 : 697 Hz. R2 : 770 Hz. R3 : 852 Hz. R4 : 941 Hz. C1 : 1209 Hz. C2 : 1336 Hz. C3 : 1477 Hz. C4 : 1633 Hz.
Code Output setting	:	Adjustable from 0dBm to -7dBm.
Duration of Code transmission	:	500 msec
Accessories Supplied	:	Hand set, Mike, Speaker



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