PR S 40025 FM07

Track Circuit History Card –T121 Track Circuits

TRACK: _____

TRACK LENGTH _____ m

FREQUENCY _____ Hz

TX OUTPUT LEVEL _____ HI / LO

IMPEDANCE BOND TYPES

_____

Date (DD/MM/YY)					
TX PSU (Serial No.)					
Date (DD/MM/YY)					
TX (Serial No.)					
Date (DD/MM/YY)					
RX PSU (Serial No.)					

Date (DD/MM/YY)						Any additional information needed - (sketch of track / Location IDs, distances, equipment positioning, bonds, etc.)
RX (Serial No.)						
Date (DD/MM/YY)						
DPU (Serial No.)						
Date (DD/MM/YY)						
DPU Amp (Serial No.)						

DATE DD/MM/YY	Remarks / Service Schedule (SS01, SS02, SS03, SS04,etc.)	TRANSMITTER END Location ID: PSU D.C. DMM (V)	Tx Output (Measured at Loc. track terminals) FSM (V)	TU T1/T2 FSM (V)	Resonated Impedance Bonds Loc. Tx Mid 1 Mid 2 Rx	Cap. (nF)	Cap. FSM (V)	DPU (For Tracks with Intermediate Receivers Only) Amp Gain (Hi / Lo)	Volts Measured at Loc. DPU terminals FSM (mV)	RECEIVER END Location ID: TU T1/T2 FSM (V)	PSU D.C. Volts DMM (V)	Rx Input (Measured at Loc. track terminals) FSM (V)	Monitor {mV across 1 Ω} Unoccupied FSM (mV)	With shunt on FSM (mV)	Zero Feed FSM (mV)	Gain Setting	Drop Shunt (Ω)	Fixed Shunt Test 0.15 Ω (tick each test pt.) (✓)	Ballast Condition Good Moderate Poor Dry / Wet	Test Equipment Used (Type & Ser. No.)	Tested by: Name of Testing Officer (Print Name)
	First Full Recorded Test																				
	Last Full Recorded Test																				

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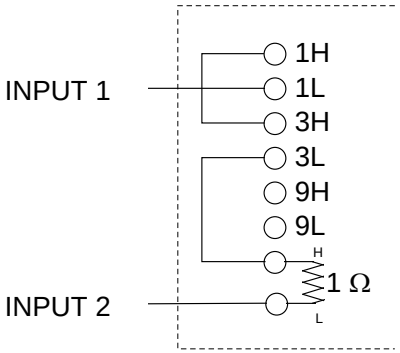
TRACK: _____

DATE DD/MM/YY	Remarks / Service Schedule (SS01, SS02, SS03, SS04,etc.)	**TRANSMITTER END** Location ID:			Resonated Impedance Bonds			DPU (For Tracks with Intermediate Receivers Only)		**RECEIVER END** Location ID:								Fixed Shunt Test 0.15 Ω (tick each test pt.) (✓)	Ballast Condition Good Moderate Poor Dry / Wet	Test Equipment Used (Type & Ser. No.)	Tested by: Name of Testing Officer (Print Name)
		PSU D.C. DMM (V)	Tx Output (Measured at Loc. track terminals) FSM (V)	TU T1/T2 FSM (V)	Loc. Tx Mid 1 Mid 2 Rx	Cap. (nF)	Cap. FSM (V)	Amp Gain (Hi / Lo)	Volts Measured at Loc. DPU terminals FSM (mV)	TU T1/T2 FSM (V)	PSU D.C. Volts DMM (V)	Rx Input (Measured at Loc. track terminals) FSM (V)	Monitor {mV across 1 Ω} Unoccupied FSM (mV)	With shunt on FSM (mV)	Zero Feed FSM (mV)	Gain Setting	Drop Shunt (Ω)				



TYPICAL CONNECTION FOR THE GAIN = 2

GAIN	INPUT WIRING			
	1 Ω H to	Input 1	Bridge	Bridge
1	1L	1H		
2	3L	1L	1H - 3H	
3	3L	3H		
4	3L	1H	1L - 3H	
5	9L	1L	1H - 3L	3H - 9H
6	9L	3L	3H - 9H	
7	9L	1H	1L - 3L	3H - 9H
8	9L	1L	1H - 9H	
9	9L	9H		
10	9L	1H	1L - 9H	
11	9L	1L	1H - 3H	3L - 9H
12	9L	3H	3L - 9H	
13	9L	1H	1L - 3H	3L - 9H

INPUT 2 is always connected to 1 Ω Low.

FSM: Frequency Selective Meter/Track filter Adaptor
DMM: Digital Multimeter