

Track Circuit History Card – ET200 Track Circuits – T121

TRACK LENGTH _____ m
 FREQUENCY _____ Hz
 TX POWER (@ TX TU): NORMAL (4&5)/LOW (1&2) _____
 LINE MATCHING UNITS: Yes/No _____
 IMPEDANCE BOND TYPES _____

Date (DD/MM/YY)						
TX PSU (Serial No.)						
TX (Serial No.)						
RX PSU (Serial No.)						
RX (Serial No.)						
RX Key (Serial No.)						
Set-up key (Serial No)						

TRACK: _____

Any addition information needed – (sketch of track/Location IDs, distances, equipment positioning, insulation joints, bonds, etc.)

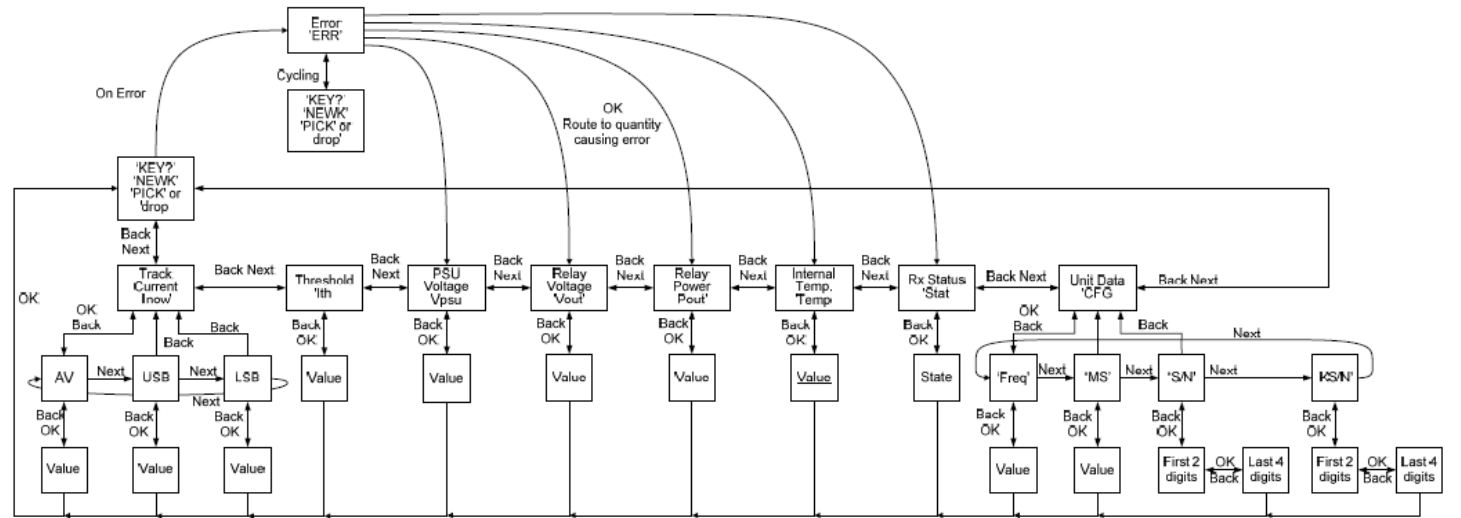
WARNING! - If LMU (Tx) & LMU (TU) are installed, around 110V would appear on feed cable & at terminals.

DATE DD/MM/YY	Remarks /Service Schedule (SS01, SS02, SS03, etc.)	TRANSMITTER END			Resonated Impedance Bonds			RECEIVER END								Fixed Shunt Test 0.15Ω (tick each test pt.) (✓)	Ballast level & Condition Good Moderate Poor Dry/Wet	Test Equipment Used (Type & Ser. No.) when resetting Rx add set-up key S/N on above table	Tested by: Name of Testing Officer (Print Name)
		Location ID:			Position Tx Mid 1 Mid 2 Rx	Cap. (nF)	Cap. FSM (V)	Receiver input current Display value Must be verified with FSM (mV) on terminals IP1-TP1				Rx Drop Shunt (Ω)							
		Tx DC Supply DMM (V)	Tx Output @ TX Terminals FSM (V)	TU T1/T2 FSM (V)				TU T1/T2 FSM (V)	Rx Input @ Loc. Track terminals FSM (V)	Rx DC Supply DMM (V)	Rx Set-up Shunt (When applic) (Ω)		Threshold Current 'Ith' (mA)	Unoccupied 'Inow-AV' (mA)	Fixed shunt 'Inow-AV' (mA)				
	First Full Recorded Test																		
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		Location ID:			Position Tx Mid 1 Mid 2 Rx	Cap. (nF)	Cap. FSM (V)	TU T1/T2 FSM (V)	Rx Input @ Loc. Track terminals FSM (V)	Rx DC Supply DMM (V)	Rx Set-up Shunt (When apply) (Ω)	Receiver input current Display value Must be verified with FSM (mV) on terminals IP1-TP1								Rx Drop Shunt (Ω)
		Tx DC Supply DMM (V)	Tx Output @ TX Terminals FSM (V)	TU T1/T2 FSM (V)								Threshold Current 'Ith' (mA)	Unoccupied 'Inow-AV' (mA)	Fixed shunt 'Inow-AV' (mA)	Zero Feed 'Inow-AV' (mA)					

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



Fault Hierarchy.
 In the event of multiple faults display routing follows the order below.
 1 Temp
 2 PSU
 3 Receiver Status Error
 4 Relay Power
 5 Relay Voltage

Receiver Status:
 OK = everything working
 MOD = Modulation frequency out of range
 SB = Sideband imbalance too high
 INT = Internal circuit fault
 OVR = Overrange signal
 SIGZ = No signal
 THR = Threshold mismatch between key and Rx
 TRIP = Relay output current trip
 FPGA = FPGA fault

Notes
 SIGZ = No signal. This is a normal operating condition and does not trigger an error state