Devtronics CMA2-D

Detector Location _____

Service Lane _____

Sub-Division _____ M.P. _____

District _____

District Engineer _____

Signal Supervisor _____

Weekly Checks

Module/System	Terminal	Voltage	Recorded Voltages
Unregulated AC	LPC	115VAC	
Regulated AC		115VAC	
12V DC battery	battery		
1A17 pwr. sply.	TP1 (red)	+300VDC	
	TP2 (blue)	-300VDC	
	TP3 (red)	+170VDC	
	TP4 (red)	+200VDC	
	TP5 (blue)	-200VDC	
	TP6 (red)	+15VDC	
	TP7 (yel)	+6VDC	
	TP8 (grn)	-6VDC	
	Common (black)	Reference to the above voltages.	

Monthly Checks

Description		Actual
Check the Bolometer bias voltage.	+200V ±2V DC	
Calculate RL1 and RL2 to 130 counts at the low end of the function simulator.		

Quarterly Checks

Description		Actual
Check that scanners are square? - Place alignment fixture across rails centered between A&B transducers.	12” ±1”	

- Measure from center of alignment fixture to the center of the A&B transducers.		
Measure distance between transducers.	24”	
Check alignment for 7” ±1/4”		
Check motion detector module.	200V +5VDC	
Island adjustment: Place a 0.06 ohm shunt 3’ outside the receive track leads. - monitor voltage across island relay. - adjust receiver sensitivity pot fully clockwise. - turn pot counterclockwise slowly until relay voltage drops to zero. - remove shunt, relay should energize ±1VDC of battery.	±1VDC	
Check track surface.		