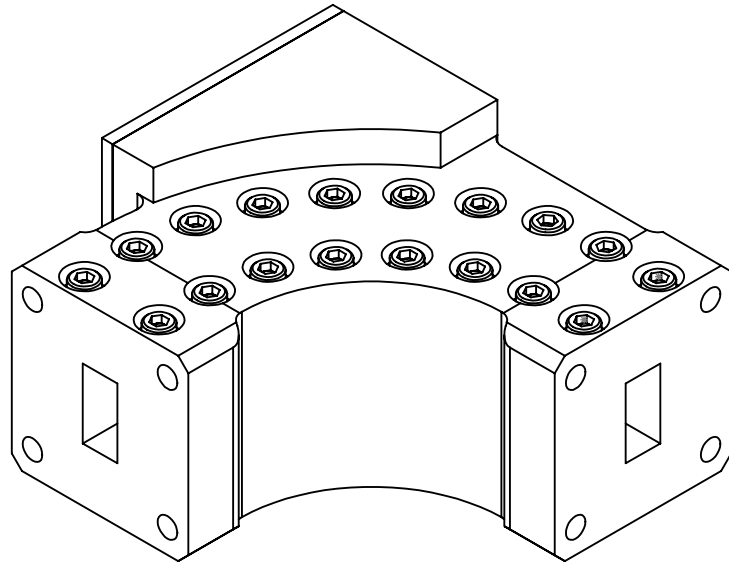


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## Electrical Specification

Spectral Response: 320nm – 1050nm (visible light and near-infrared spectrum, peak at  $\lambda_{red}$ =640-750nm)  
DC supply voltage: Typical +12V (Min=7V /Max=18V)  
Supply current: 35 mA

Output Voltage: TTL Fault/Fired Alarm (Vo)= TTL High  
Open-drain Fault/Fired Alarm (Vo) = 0.1, 0.35Volts (Imax=400mA, Vmax=60V)

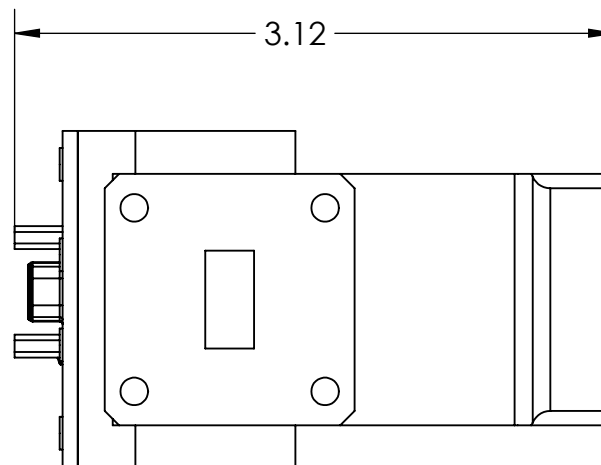
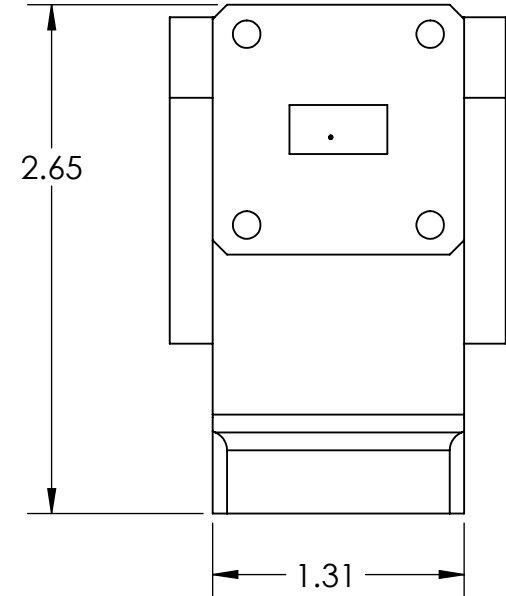
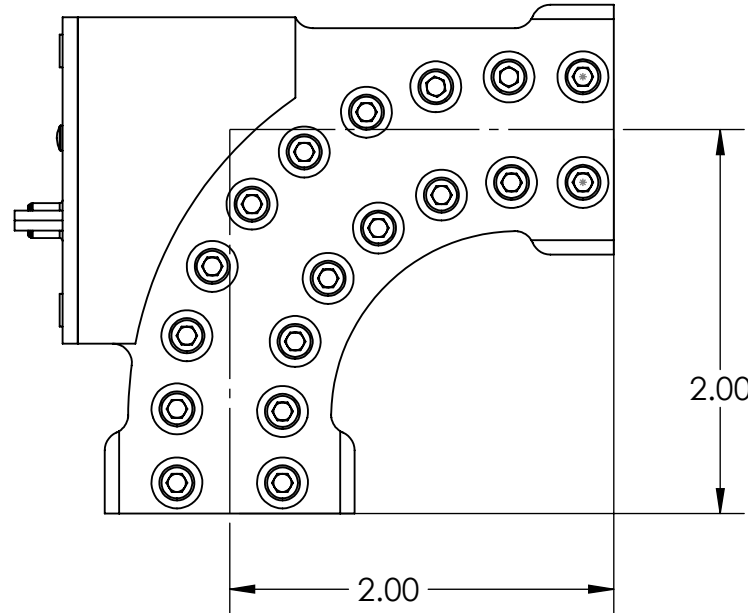
Response Time: less than 10  $\mu$ sec.  
Pressure Sealed to: 30 PSI



Operating Temperature Range: - 40 ~ + 85°C

Arc Detector's connector pinout (Micro-D Plug , Male, 9 Pins):

9 – DC supply Voltage:	+12VDC at 35 mA.
1, 5, 6, 7, 8 –	Ground
2 - Output Voltage:	Option 1 -- The “Alarm” signal is TTL High Option 2 -- Open-Drain”
3 - Latching Reset Capability:	After being triggered by an arc, the output will remain in state “Alarm” until the Arc Detector is manually reset. This is accomplished by bringing TTL Low to this pin momentarily, then returned to TTL High.

4 - Self test: To test the optical detector and triggering/latching ability, the low voltage is to be applied to this pin



PROJECT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.TOLERANCES ARE: DECIMALS ANGLES .X ±.02 ±0.5° .XX ±.010 .XXX ±.003 32/ MACHINED SURFACES: √	 CAD GENERATED DRAWING DO NOT MANUALLY UPDATE OR SCALE		230 Bayview Drive Unit 16 Barrie, Ontario, L4N 4Y8, Canada Tel: (905) 669-8533 Fax (905) 669-8516			
		APPROVALS	DATE	WR51 ARC DETECTOR			
NEXT ASSEMBLY	MATERIAL  ALUMINUM / BRASS	DRAWN BY					
		CHECKED BY					
	FINISH  PAINT / IRIDITE	APPROVED BY		SIZE  B	DWG. #	REV.	
				SCALE 3:2	PART #	DOC. TYPE	SHEET 1 OF 1