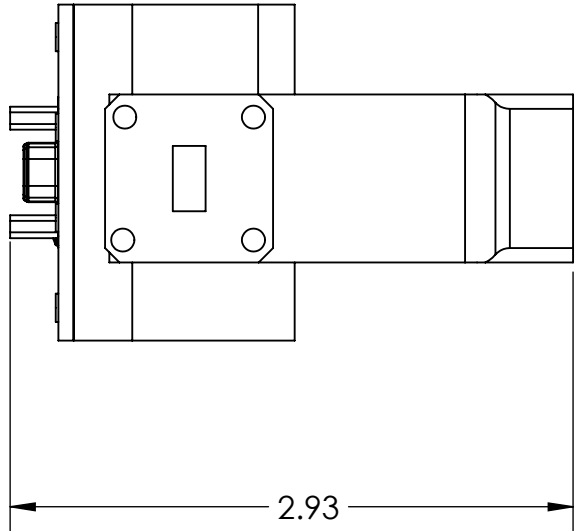
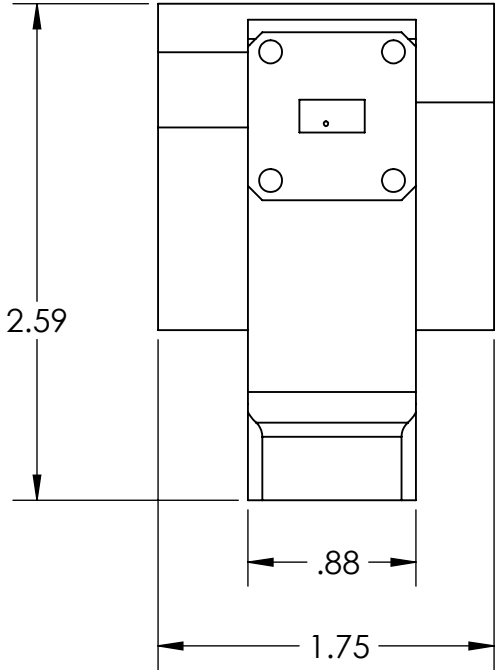
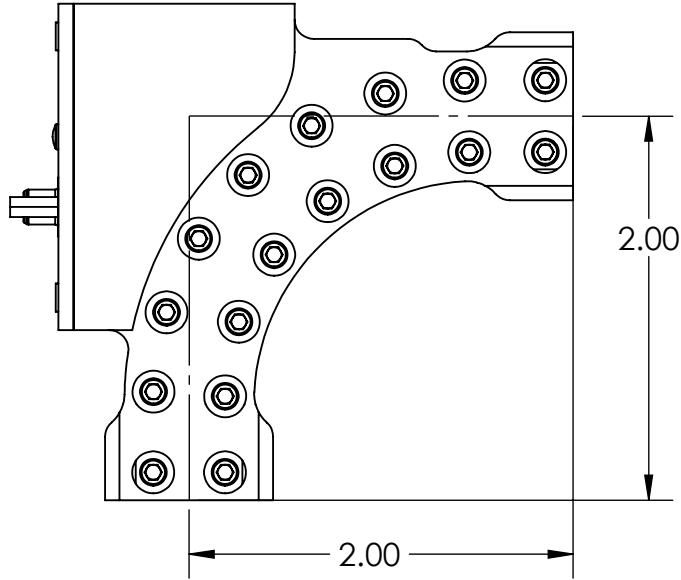
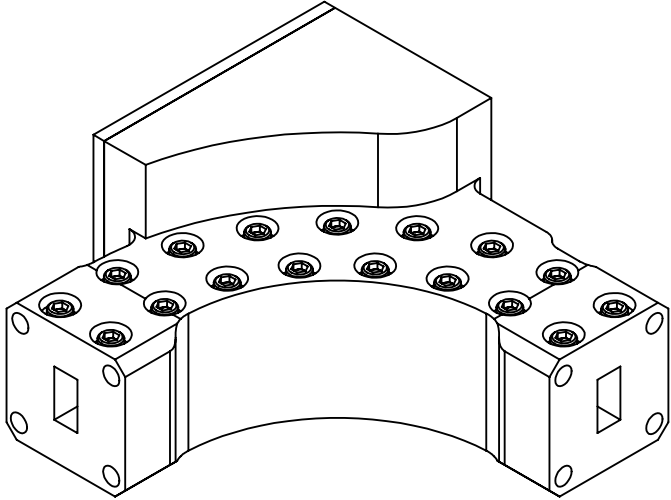


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Electrical Specification

Spectral Responce: 320nm – 1050nm (visible light and near-infrared spectrum, peak at Ired=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 μsec.
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 XX ± .010 ± 0.5° .XXX ± .003 MACHINED SURFACES: 32/√	 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	WR34 ARC DETECTOR														
		DRAWN BY																	
		CHECKED BY																	
NEXT ASSEMBLY		MATERIAL	ALUMINUM / BRASS		APPROVED BY				SIZE		DWG. #		PART #		DOC. TYPE		REV.		
		FINISH	PAINT / IRIDITE						B										
										SCALE		3:2						SHEET 1 OF 1	