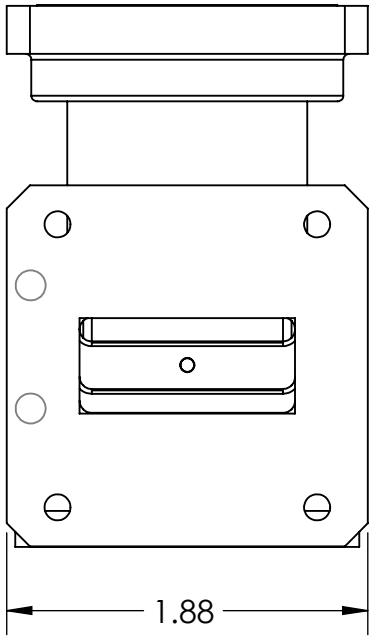
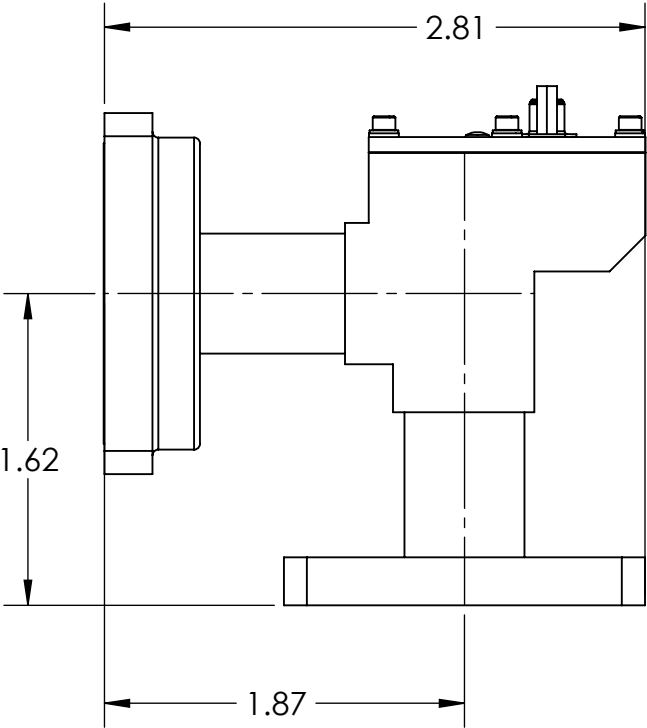
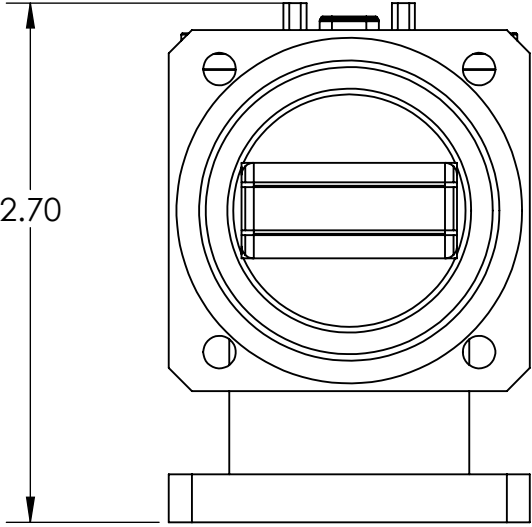
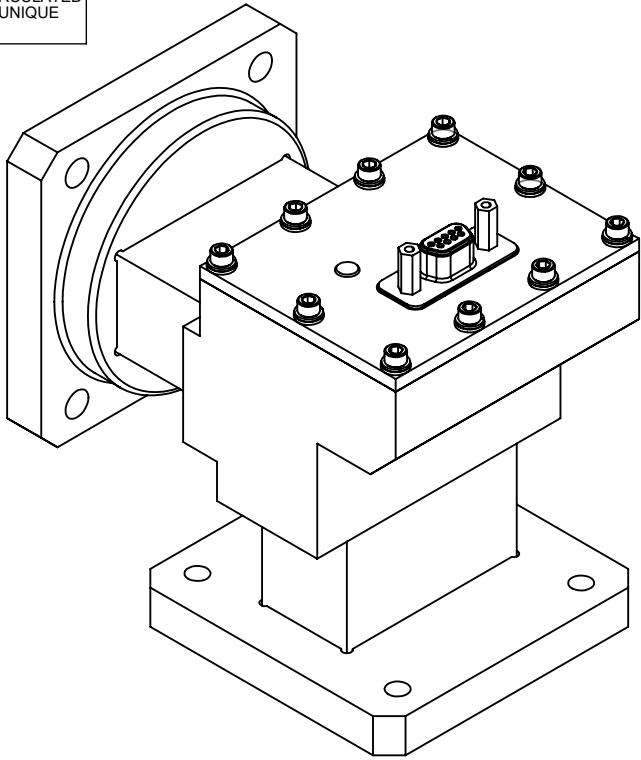


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Electrical Specification

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 1 (5 volts)  
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 1 (+5V)  
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 0 (0 V) to this pin momentarily, then returned to TTL 1 (+5VDC).
- 4 - Self test: To test the optical detector and triggering/latching ability, the low voltage 0V at 20mA is to be applied to this pi

Note: outline drawing, not for manufacturing

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	WR 112 ARC DETECTOR									
NEXT ASSEMBLY		DRAWN BY												
		CHECKED BY												
		FINISH	APPROVED BY							SIZE B	DWG. #	PART #	DOC. TYPE	REV. 00
										SCALE 3:2				SHEET 1 OF 1