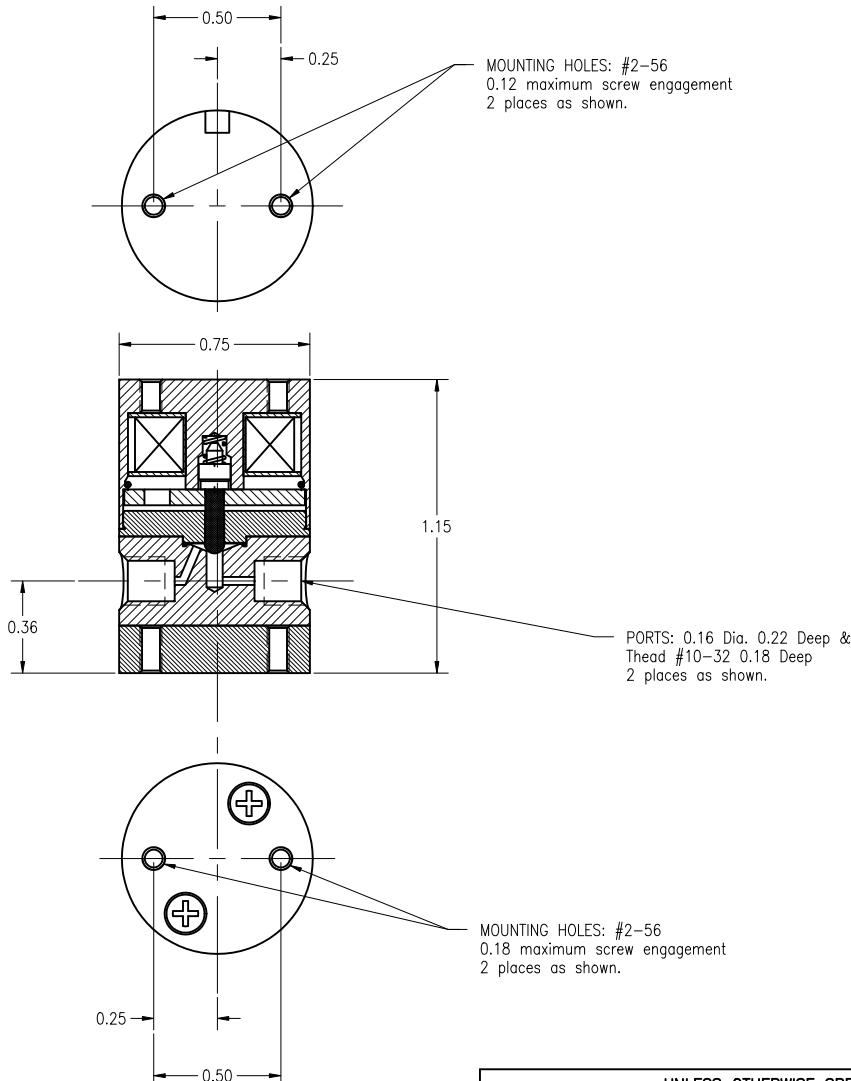


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## SPECIFICATIONS:

### Mechanical: (Each Port)

TYPE: 2w Normally Closed  
 PORT CONNECTION: #10-32 Flat bottom.  
 NOMINAL ORIFICE: 0.040 In. (1.0 mm)  
 OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)  
 TEST PRESSURE: 30 PSI N<sub>2</sub> (Less than 3μl/Min. Leakage.)  
 INTERNAL VOLUME: 19.7 microliters total from port to port.  
 WETTED MATERIALS: TEFILON®  
 MOUNTING ORIENTATION: Any Position

### Electrical: (At 70° F No Pressure Applied)

OPERATING VOLTAGE: 12 VDC Continuous – See Note 1.  
 12 to 24 VDC subject to duty cycle and / or holding voltage applied.  
 POWER CONSUMPTION: 1.15 Watts at 12 VDC (approximately)  
 LEAD WIRES: #26 AWG, TFE Insulated  
 Yellow 12 Inches (305mm) long.  
 TEST VOLTAGE (ON): < 9 VDC  
 TEST VOLTAGE (OFF): 0.5 to 4 VDC  
 RESPONSE TIME (ON): 20ms Max. at 12 VDC  
 5 to 20 ms subject to applied voltage and driving circuits.  
 RESPONSE TIME (OFF): 30ms Max. from 12 VDC  
 30 to 5 ms adjustable by driving circuits.

### NOTICE:

This product is protected by one or more of the following United States Patents:  
 4,496,133; 4,993,456; 5,143,118; Re. 34,261  
 5,433,244. Other Patents Pending.

UNLESS OTHERWISE SPECIFIED		Scale 2 : 1 (B)	Material As noted	<b>NR</b> RESEARCH INCORPORATED
Fractions	± 1/64	Break Sharp Edges	0.003–0.008	
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003–0.008	Dr. By A. Sule Date 07-22-1995
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Rev. By F. Tarnok Date 07-13-2011
Angular	± 0.06°	Parallel, Flat, Square and True		Part Name .161T011 2wNC 12vdc
All Fin. Surf.		to Each Other within	0.001 T.I.R.	Drawing Number .161V251