

FEATURES

- Silent operation
- Long life
- High accuracy
- Small size
- Low power consumption
- Internal closed loop control
- Includes thermally compensated proportional VSO® valve

MEDIA COMPATIBILITY

Non-corrosive gases



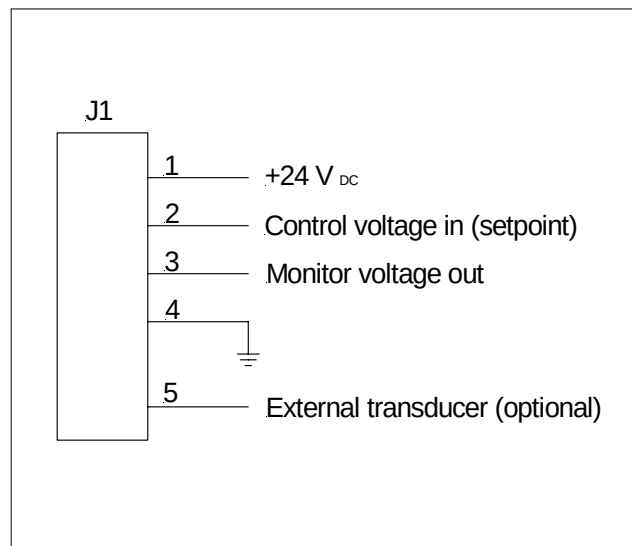
ELECTRICAL

Power	$24 V_{DC} \pm 10\%$
Input control signal	$0 \dots 5 V_{DC}$
Monitor output voltage	$0 \dots 5 V_{DC}$
Current requirement	$< 150 \text{ mA}$
Electrical connector	6 pin miniature interface cable included

PHYSICAL PROPERTIES

Operating environment	$0 \text{ to } 55^\circ\text{C}$
Storage temperature	$-40 \text{ to } 55^\circ\text{C}$
Porting	10-32 UNF female ports

ELECTRICAL CONNECTION



VSO is a registered trademark of Parker Hannifin Corporation.

PRESSURE RANGES CHARACTERISTICS

Part no.	Pressure range*	Maximum supply pressure
OEM...0-2	0...2 psig	150% of pressure transducer rating
OEM..0-15	0...15 psig	
OEM...0-50	0...50 psig	
OEM...0-100	0...100 psig	

* Custom ranges available (including 0...5, 0...7, 0...30, 0...70 psig)

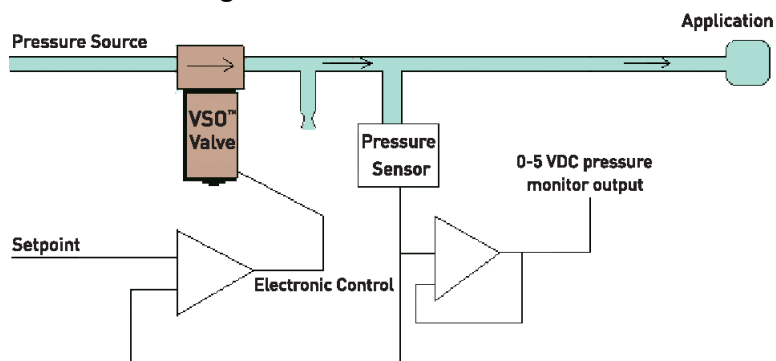
PERFORMANCE CHARACTERISTICS

Characteristics	Min.	Typ.	Max.	Unit
Pressure accuracy		±0.2	±1.5	%FS
Non-linearity			±1.0	
Response time*			15	ms

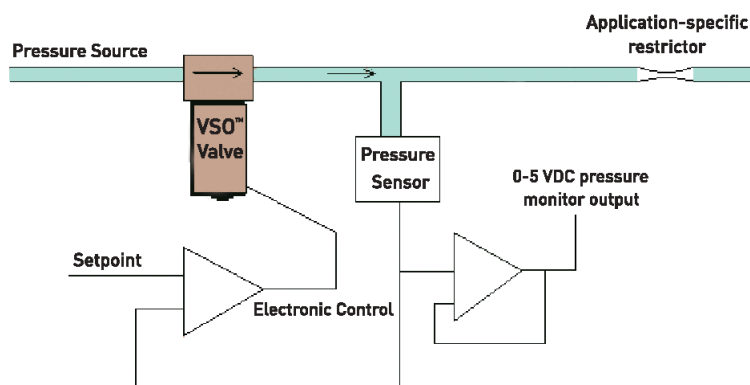
* Response time to target pressure is output volume dependent

CONFIGURATIONS

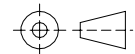
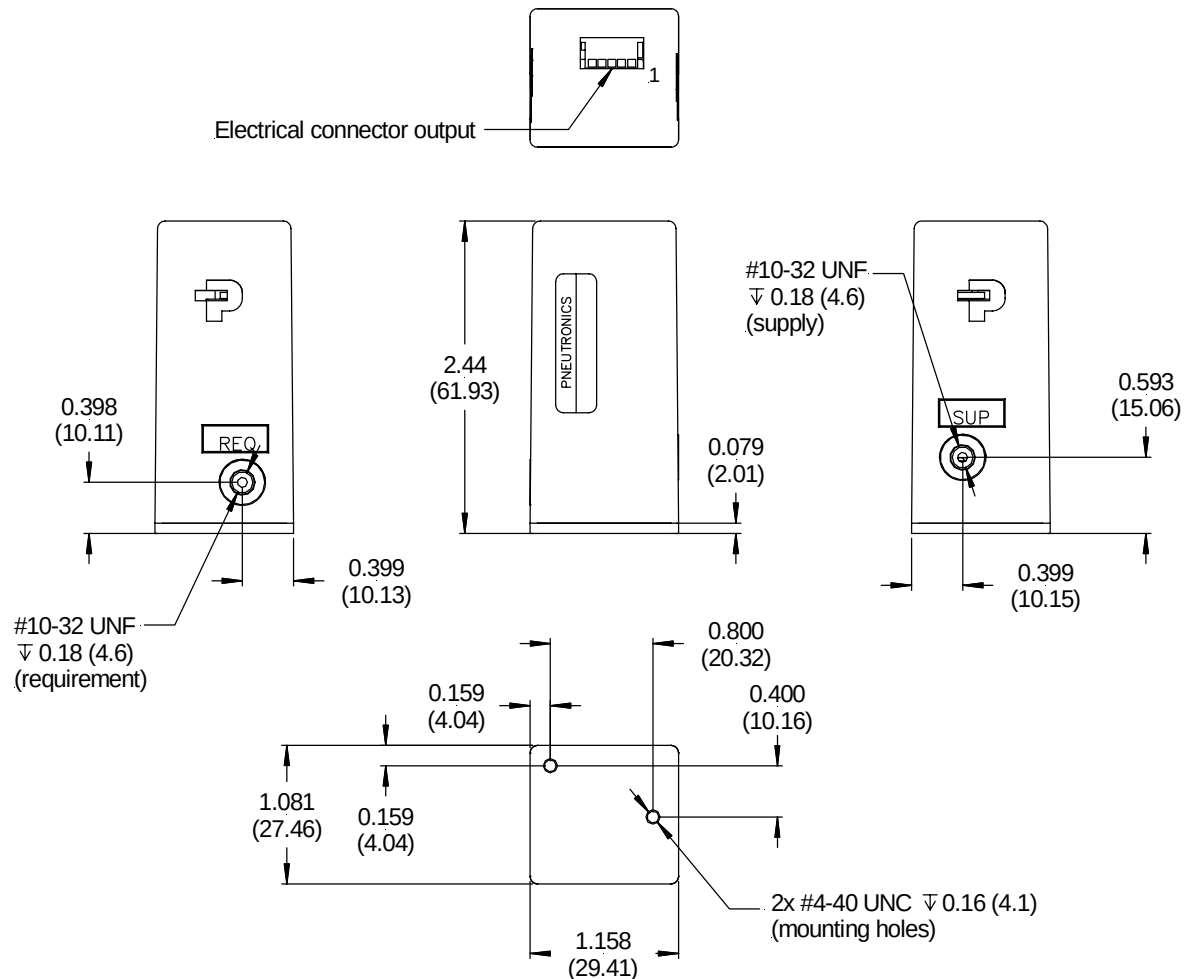
Pressure control: Standard configuration



Pressure control: Alternate configuration



PHYSICAL DIMENSIONS



third angle projection

dimensions in inches (mm)

mass: approx. 50 g

OEM-EP

Miniature electronic pressure controllers

ORDERING INFORMATION

Series		Configuration		Valve orifice		Electrical input		Pneumatic range*	
Options	OEM	EPS:	Standard pressure control	1:	0.01 "	0-5:	0...5 V _{DC}	0-2:	0...2 psi
		GCA:	Alternate pressure control	3:	0.03 "			0-15:	0...15 psi
								0-50:	0...50 psi
								0-100:	0...100 psi
								* consult Sensortechncs for custom pressure ranges	
Available listings:									
OEMEPS10-50-2									
OEMEPS10-50-15									
OEMEPS10-50-100									
OEMEPS30-50-2									
OEMEPS30-50-15									
OEMEPS30-50-50									
OEMEPS30-50-100									
OEMGCA30-50-15									
OEMGCA30-50-50									
OEMGCA30-50-100									

**CUSTOM PRESSURE RANGES AND CONFIGURATIONS ARE AVAILABLE.
PLEASE CONTACT YOUR NEAREST SENSORTECHNICS SALES OFFICE.**

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