

AVID EAZICAL ELECTRO-PNEUMATIC POSITIONER

GENERAL PURPOSE

The EaziCal is an electro-pneumatic positioner providing fast, automatic calibration via a simple push button procedure.



FEATURES

- Advanced auto-calibration takes care of positioner gain settings, zero, span and internal adjustments.
- Strong, durable HiVue Beacon offers 360° display clearly visible from up to 50 m.
- Optional end-of-travel limit switches or 4-20 mA feedback transmitter available.
- Negligible-bleed lapped spool and matched sleeve design delivers significant energy savings.
- Corrosion resistant engineered resin IP66 rated enclosure for general purpose applications.
- Optional high flow transducer.

GENERAL APPLICATION

EaziCal is a general purpose, electro-pneumatic positioner for direct mounting to quarter turn rotary actuators allowing actuator calibration, position feedback and performance verification. The Hi-Vue beacon provides 360° display visible from up to 50 m.

TECHNICAL DATA

Agency approvals

Enclosure standards
(IEC)
(ANSI/NEMA 250)

IP66
Type 4.4X

Enclosure

All models

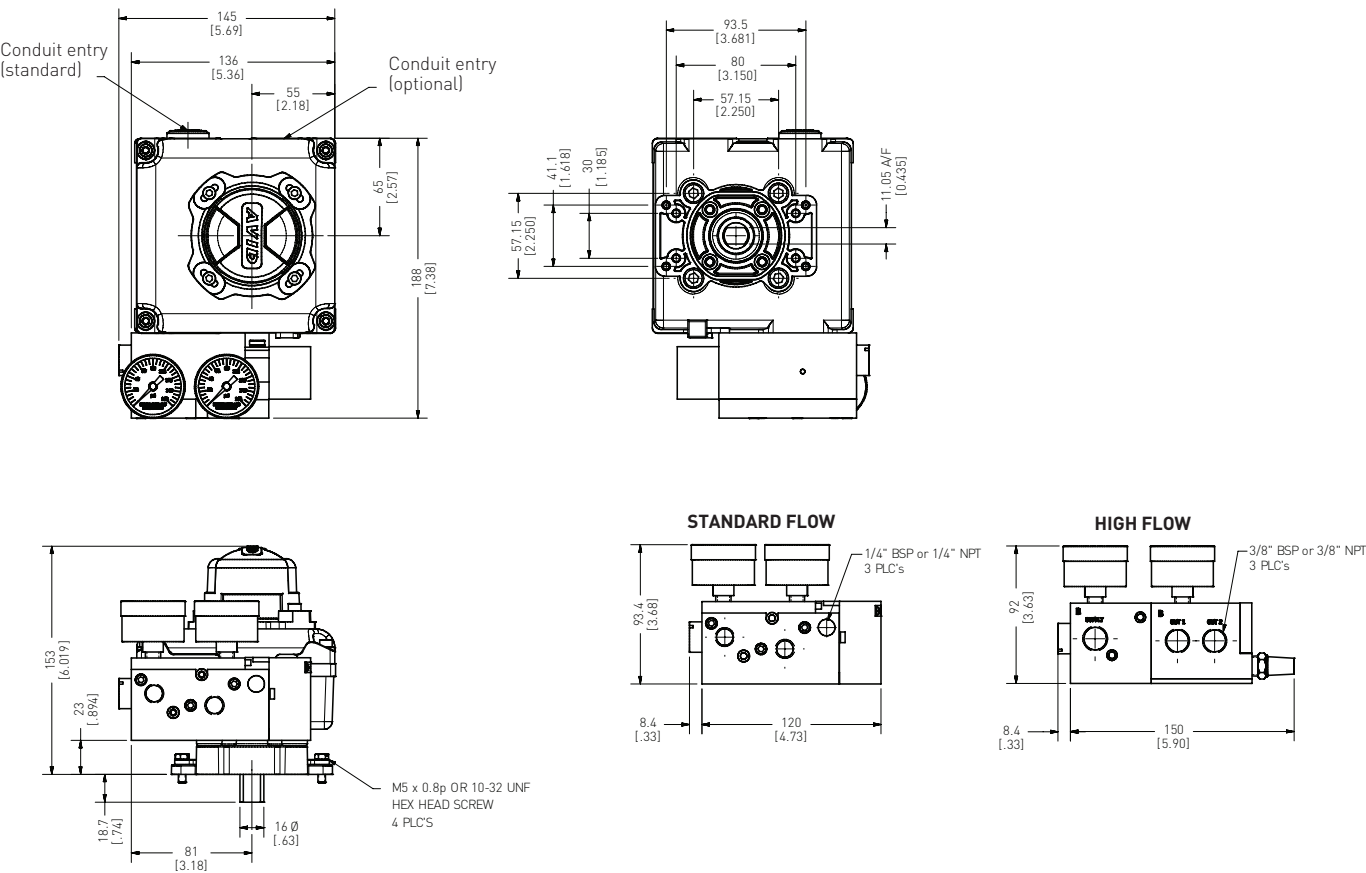
Engineered resin



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GENERAL PURPOSE

AVID EAZICAL ROTARY - DIMENSIONS



Dimensions in inches, metric dimension (mm) in parentheses

TECHNICAL SPECIFICATIONS

Input current	4-20 mA (analog)
Voltage drop	9 V
Supply air pressure	(low) 15 to 45 psi, (high) 40 to 120 psi
Resolution	0.5% of span
Linearity	±1% of span
Hysteresis	0.4% of span
Repeatability	0.4% of span
Thermal coefficient	[2%/100°C]
Output flow rates	(low) 8.0 scfm at 25 psi, (high) 16.2 scfm at 90 psi
Air consumption	(low) 0.03 scfm at 25 psi, (high) 0.08 scfm at 90 psi
Gain	Electronically adjustable
Air connection ports	1/4" NPT

Materials of construction

Housing	Engineered resin
Cover	Clear engineered resin
Manifold	Anodized aluminum
Conduit	Stainless 3/4" NPT
Shaft	Stainless steel
Hardware	Stainless steel

MICRO-SWITCH V3

SPDT (V3)		
A	V AC	V DC
15	125	
15	250	
6		24
0.50		125
0.25		250

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ORDERING INFORMATION

SELECTION GUIDE

Base Model														
EZ	-	0	2	0	0	0	0	D	0B	-	00	-	0	AVID EaziCal Positioner
Application														
0		Standard Flow												
C		Re-Transmission												
H		High Flow												
R		High Flow and Re-Transmission												
Conduit Entry														
1		½												
2		M20												
5		¾												
A		2 x ½												
B		2 x M20 (if switches are fitted)												
Number of Switches														
0		No Switches Fitted												
2		2 x Switches												
Type of Switch (small selection shown)														
00		No Switches Fitted												
01		Mechanical SPDT												
03		P&F NJ2-V3-N												
07		P&F NBB3-V3-Z4												
10		IFM IS5026												
11		IFM IS5001												
Terminal Strip														
0		No Terminal Strip												
A		6 Point												
Mounting														
D		Direct Mount Metric Fixings												
I		Direct Mount Imperial Fixings												
Pneumatic Connections														
0B		BSP												
0N		NPT												
Special Feature														
00		Standard No Special feature												
Certification														
0		Non-hazardous												
F		FM (Mechanical SPDT switch option)												
Revision														
R*		Internal Revision Number *												
R2		= Model Number EZ-020000D0B-00-0R2												

NOTES

1. Please contact your sales office for guidance on selecting the best possible combination for your control and monitoring requirements.



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