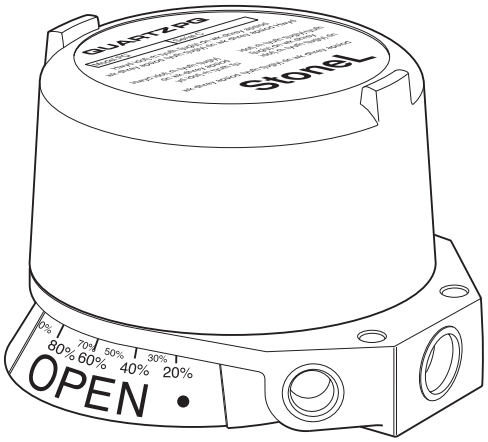
Stonel Position Transmitter

Description

The Stonel Limit Switch is for use with the K Series pneumatic control valves and PN5000/6000 actuators. It is mounted on the PN5000/6000 actuators and can provide visual indication if the valve is fully open, fully closed, partially open (0-100%) or partially closed (0-100%). By comparing flow rates over time with your valve position, you can determine valve wear.

The Stonel Position Transmitter provides a precise 4-20 mA signal on a two-wired DC loop to provide exact valve position. Additionally, two solid state sensors are provided for use in AC and DC computer input circuits.



Technical data

Model No. PQ5XE2R		
Junction Features	(1) ¾" NPT and (1) ½" NPT conduit entries	
Visual Indicator	OPEN - Green	
	CLOSED - Red	
Enclosure Rating (Aluminum Cover)	Factory Mutual and Canadian Standards approved for:	
	Class I:	Groups C &D. Divisions 1 and 2.
	Class II:	Groups E, F, G. Division 1.
	Class II:	Groups F & G. Division 2.
	NEMA 4, 4X and 6	
Output Signal	Two wire, 4-20mA	
Recommended Supply	24VDC, 50mA minimum	
Voltage Range	10 to 40 Vdc at terminals	
Maximum Loading	700 ohms @ 24 Vdc	
Sensors	2XSST Solid State Sensors	
Electrical Ratings	0.3A @ 120 Vac (continuous)	
Temperature Range	-40 °C to 82°C (-40 °F to 180 °F)	
Operating Life	unlimited	
Maximum Voltage Drop	6.5 volts @ 10 mA	7.0 volts @ 100 mA
Minimum Current for LED Illumination	2.0 mA	

Materials

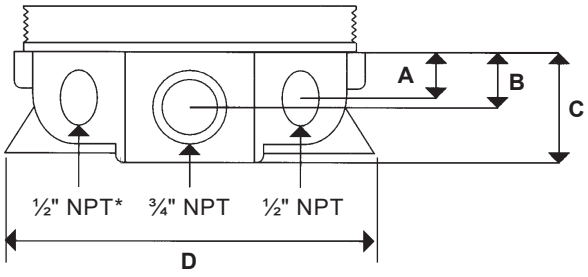
Part	Material
Cover Features	Epoxy coated anodized aluminum cover (optional clear Lexan cover)
O-Ring Seals	Viton
Shaft and Drive	All materials are 303 or 316 stainless steel
Internal Fasteners	Stainless Steel

Installation

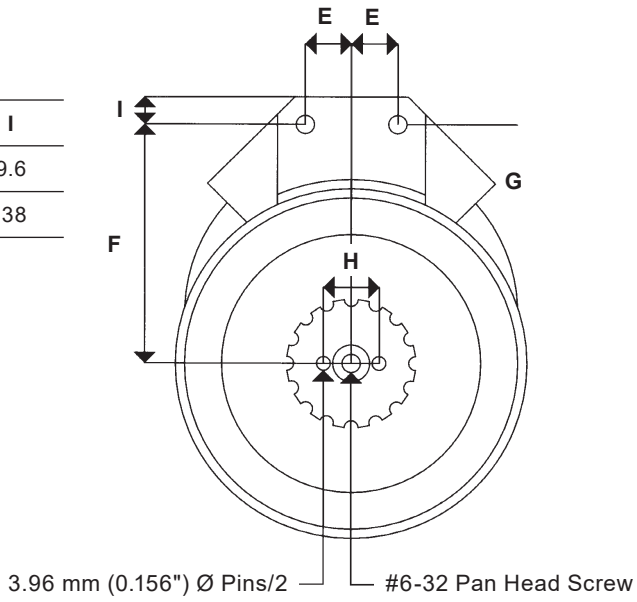
Full details are contained in the appropriate Installation and Maintenance Instructions supplied with the product.

Dimensions (approximate) in mm and inches

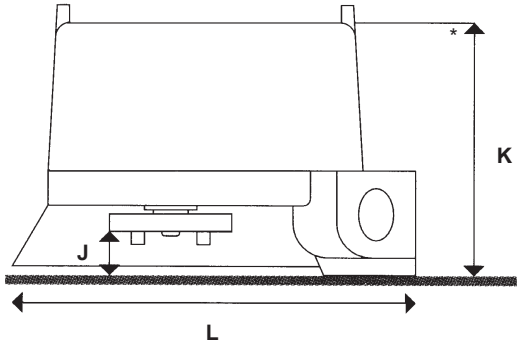
	A	B	C	D
mm	15.9	19.1	38.1	120.7
inches	.625	.75	1.50	4.75



	E	F	G	H	I
mm	19.1	82.6	6.86	18.2	9.6
inches	.75	3.25	.27	.718	.38



	J	K	L
mm	18.2	92.7	152.4
inches	.718	3.65	6.0



* The ½" Conduit Entry is Located on the Left Side of the ¾" Conduit Entry