



PNEUMATIC POSITIONER

SERIES 982

DOUBLE ACTING POSITIONER FOR ROTARY ACTUATORS



- **0.2 - 1.0 BAR (3 - 15 PSI) CONTROL SIGNAL**
- **SUPPLY PRESSURE UP TO 10 BAR**
- **SUITABLE FOR DOUBLE-ACTING OR SINGLE-ACTING (SPRING RETURN) ACTUATORS**
- **ROBUST AND RELIABLE**
- **STAINLESS STEEL OR ALUMINIUM**

HNL's Series 982 pneumatic positioner may be used to control the drive shaft rotation of double-acting or single-acting rotary actuators. A control signal of typically 0.2 to 1.0 bar provides proportional movement of the drive shaft.

The positioner can be easily configured to provide either clockwise or anti-clockwise rotation for a rising control signal (direct acting or reverse acting).

In addition to providing a high degree of reliability, the positioner has the advantage of being able to operate with supply pressures up to 10 bar, and with indifferent quality air supplies.

The positioner housing is available in aluminium with epoxy paint finish, EFC (composite) or 316 stainless steel. The pilot and switch blocks are manufactured in anodised aluminium or stainless steel.

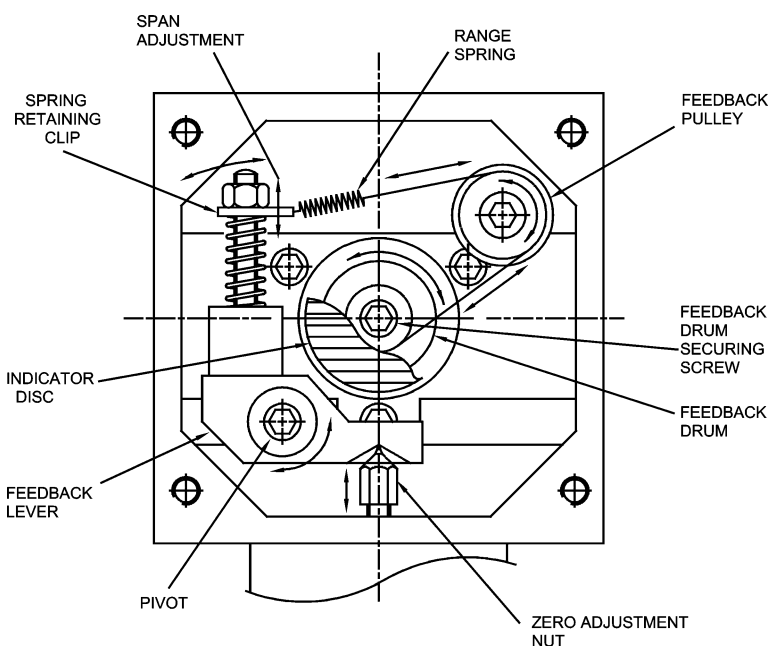
The standard control signal for the positioner is 0.2 to 1.0 bar (3-15 psi). Both the zero and span adjustments are readily accessible allowing for on-site calibration.

The standard positioner is suitable for a wide range of rotary actuators. The speed of operation is a function of the actuator size; for larger actuators where speed of operation may be slow a high gain positioner is recommended.

The positioner is generally mounted to the actuator using a 'U' shaped bracket. A drive shaft extension may also be required between the output shaft of the actuator and the input shaft of the positioner to provide feedback of the actuator position.

The Series 980 positioner can be supplied on its own or alternatively HNL will undertake the fitting, piping, calibrating and testing of positioners to all suitable rotary actuators.

For information on Series 980 Linear Positioners please refer to technical datasheet TD980 LIN.



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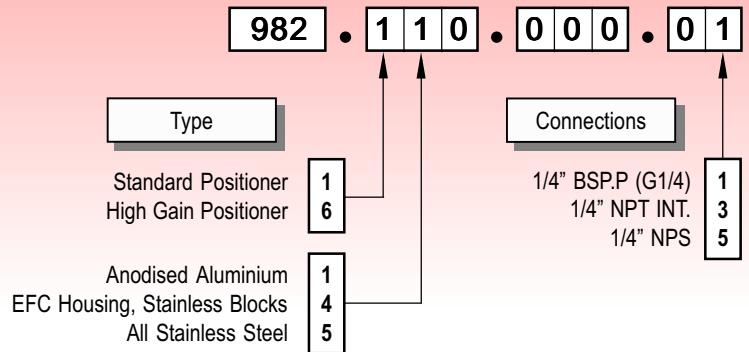
QUALITY ASSURANCE

Designed and manufactured by HNL in accordance with BS EN ISO 9001:2000.



Specifications		
Supply pressure:	up to 10 Bar	
Control Signal Pressure:	0.2 - 1.0 Bar (3 - 15 PSI)	
Control Accuracy: (Typical figures - actual figures will depend upon the actuator used)	Linearity Error	1% max
	Repeatability Error	0.5% max
	Hysteresis Error	0.5% max
	Overall Accuracy	2%
Operating Temperature:	-20°C to +80°C for dry gases	
Cv:	0.14	
Weight:	1.5 kg - Aluminium model	
	2.2 kg - EFC model	
	2.8 kg - Stainless steel model	

Coding:



Other Options

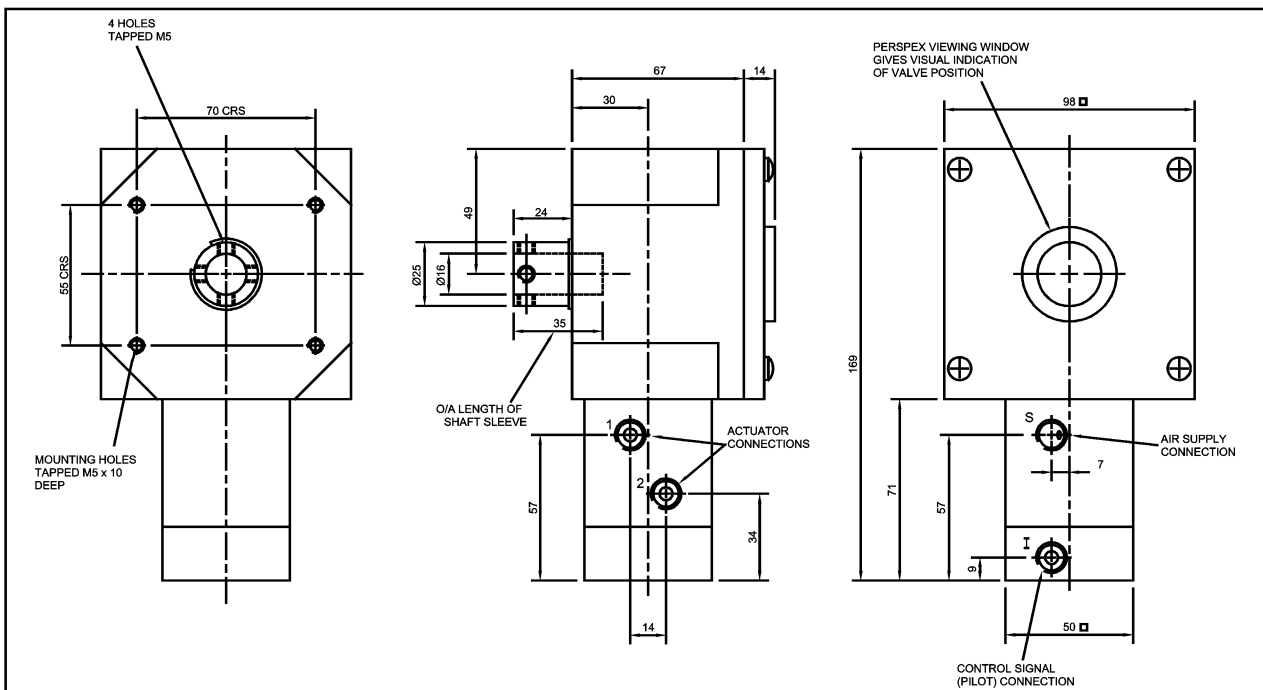
Further options are available including -

- I/P fitted positioners (4-20mA control signal)
- High temperature ratings
- Additional control signal ranges
- Positioner with gauges
- Log. cam profile (non-linear response)

Please contact HNL technical sales for details.

Air Consumption (Static Conditions)

Typical air consumption is 10 NI/min at a 2 bar supply pressure, rising to 30 NI/min at 8 bar. Under dynamic conditions consumption will be higher depending upon the actuator size and its rate of movement.



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HNL Engineering Ltd comprises three Divisions offering a wide range of products & services which includes:

Instruments & Controls

Pressure, DP and Temperature Switches & Transmitters. Rotary and linear positioners. Flow regulators & Bubblers. Control Systems.

Precision Machining

Turning, Milling, Drilling, Tapping, Sawing, Welding, Painting, Anodising. From small to large batch sizes in a wide range of materials.

Manifolds & Valves

Wide range of distribution manifolds in both anodised aluminium and stainless steel. Stainless steel ball valves.

The information contained in this data sheet may be changed without notice.