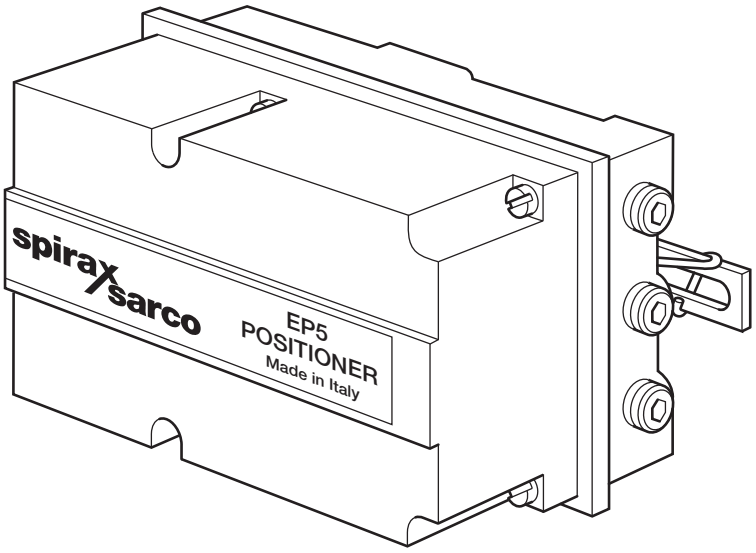
Cert. No. LRQ 0963008

ISO 9001

TI-P343-08
CH Issue 6

EP5
Electropneumatic Positioner and ISP5 Intrinsically Safe Electropneumatic Positioner



Description
The EP5 is a 2-wire positioner requiring a 4-20 mA input signal, and is for use with linear pneumatic actuators. The positioner compares the electrical signal from a controller with the valve position feedback and varies a pneumatic output signal to the actuator accordingly. The valve position is therefore guaranteed for any controller output signal and the effects of varying differential pressure, stem friction and diaphragm hysteresis are overcome. A mounting kit is supplied with each positioner for mounting to either columns or yoke in accordance with NAMUR standard. Safety covers are provided.
Note: An intrinsically safe version, ISP5 is also available.

Applications
The positioners can be used with the following actuators:

Actuator types	PN9000 Series
	TN2000 Series

Technical data

Input signal range	4-20 mA
Output signal range	0 to 100% supply air pressure
Supply air pressure	1.4 bar to 6 bar
Stroke range	10 mm to 100 mm
Sensitvity	Less than 0.2% span
Input impedence	200 ohms
I max (maximum input signal)	50 mA
Temperature limitations	-15°C to +65°C
Enclosure rating	IP65
	ISP5 intrinsically safe to EEx ib II C T4 II 2 G TÜV approval
Air consumption	0.7 m³/h at 6 bar
Pneumatic connections	¼" NPT
Electrical connections	PG13.5
Voltage rating	Minimum 5 Vdc
	Maximum 24 Vdc

Materials

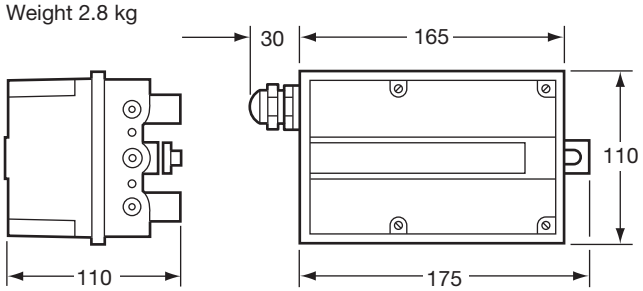
Body and cover	Die cast aluminium with anti-corrosive paint

Accessories
A fixing kit is available to mount an air filter/regulator to the pneumatic actuator.

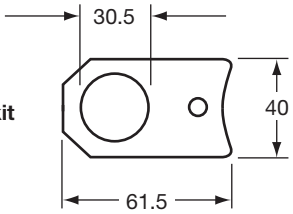
Fixing kit	Actuator type
FK21	PN9100 Series
FK28	PN9200 or PN9300 Series

How to order
Example: 1 off Spirax Sarco EP5 electropneumatic positioner.

Dimensions (approximate) in mm
Weight 2.8 kg



FK21 and FK28 fixing kit



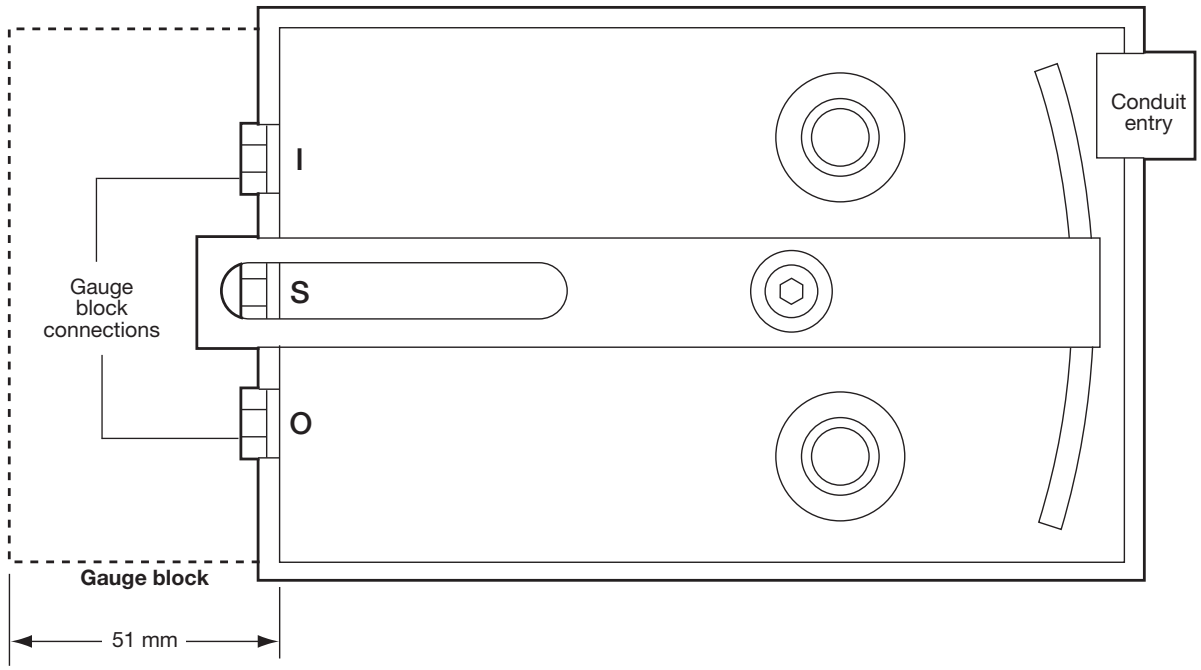
Local regulations may restrict the use of this product to below the conditions quoted.
In the interests of development and improvement of the product, we reserve the right to change the specification without notice.

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Safety information, installation and maintenance
Full details are contained in the appropriate Installation and Maintenance Instructions supplied with the product.

Air and electrical connections (rear view)
Air connection ¼" NPT
Cable connection PG13.5

Positioner (Rear view)



Spares

Gauge	0-2 bar output
Gauge	0-4 bar output
Gauge	0-7 bar output
Springs and pneumatic tube set	
Set of gaskets, diaphragms and orifice	
Amplifying relay set	
Block for gauges	

Gauge block (Front view)

