

YT-I200R 3-15psi Pneumatic positioner

General:

The YT-I200R provides pneumatic modulation for rotary (1/4 turn) pneumatic actuators. A constant filtered air supply drives the unit (max 100 psi) and the YT-I200R sets the position of the actuator relative to a 3-15 psi input signal. Any change to the input signal results in a corresponding change to the actuator's position. The YT-I200R offers fast and accurate response with low air consumption. Supply air inlet and control signal pressure gauges are provided.

It is strongly recommended that the supply air is filtered to 5 microns or better to protect the fine internal orifices within the YT-I200R. See the YT-200 filter regulator for details.

Specifications:

Main air supply	1.4 ~ 7 bar, 20~100 psi
Control signal	0.2 ~ 1 bar, 3-15 psi
Air filtration required	5 Microns or better
Protection	IP 66
Ambient temp range	-20C to +70C (-4 ~ 158F)
Linearity	± 2% Full Scale
Hysteresis	1% Full Scale
Sensitivity	± 0.5% Full Scale
Repeatability	± 0.5% Full Scale
Air consumption	3 l/min @ 1.4 b supply
Flow capacity	80 l/min @ 1.4 b supply
Housing	Aluminium
Weight	1.7 kg



Features:

- Simple zero and span adjustment.
- No resonance between 5 - 200Hz.
- Auto/ Manual switch.
- Direct or reverse acting, and 1/2 split range user selectable with easy adjustment.
- Available as a linear positioner, stroke range 10-150mm

Applications:

For safe area use. Can be fitted to either double acting or spring return pneumatic actuators.

Installation:

The YT-I200R is quick and simple to mount to a Namur compliant drive shaft, using the universal mounting bracket provided with the positioner. Air connections are 1/4" NPT. Can be operated in any orientation.

Fits the CH-air A Type Pneumatic actuator ~ Actuator features:

Robust rack and pinion construction

High accuracy machining of components

ATEX Ex II 2 GD approved for use in hazardous areas

CE Approved

Guaranteed for 1,000,000 cycles

Balanced air & spring strokes in spring return version

Safe to dismantle for routine maintenance

Compliant with all actuator standards

Accessories are easy to mount

Hard anodized aluminium body

ENP coated option (Extra cost)

Teflon® coated option (Extra cost)

Stainless steel version (Extra cost)

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Options for safe area applications:



With dome local visual position indicator



With external 4-20mA analogue position transmitter



With external limit switch box, with mechanical micro-switches or proximity sensors and local visual position indicator.



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