



# Pneumatic Positioner

Linear & Rotary Type



## PPR 1200



**A Solid Workhorse You Can Depend On For Consistent, Reliable Control**

TRIAC Pneumatic Positioners (4-20psi, linear and rotary type) are advanced control devices which provide unparalleled stability in difficult environments.

### Specifications

Type  Item	PPL		PPR	
	Linear Type (lever feedback)		Rotary Type (cam feedback)	
	Single	Double	Single	Double
Input Signal	3-15 psi (0.2-1.0 kgf/cm <sup>2</sup> ) (NOTE 1)			
Supply Air Pressure	100 psi Max. (7.0 kgf/cm <sup>2</sup> )			
Standard Stroke	10-80 mm (NOTE 2)		60-100° (NOTE 3)	
Air Piping Connection	1/4" NPT			
Ambient Temperature	-4-158°F (-20-70°C)			
Pressure Gauge	Stainless Steel			
Output Characteristics	Linear			
Linearity	Within ±1.0% F.S.		Within ±1.5% F.S.	
Sensitivity	Within 0.1% F.S.		Within 0.5% F.S.	
Hysteresis	Within 0.5% F.S.		Within 1.0% F.S.	
Repeatability	Within ±0.5% F.S.			
Air Consumption	0.18 CFM @ 20 psi			
Flow Capacity	2.83 CFM @ 20 psi			
Material	Aluminum Diecast Body			
Weight	4.63 lbs			

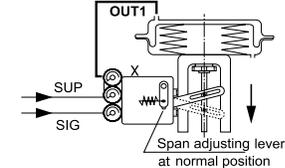
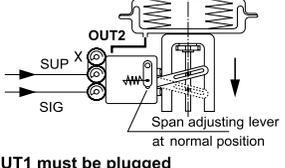
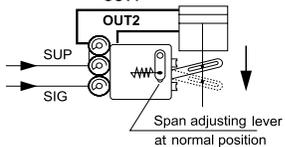
### Features

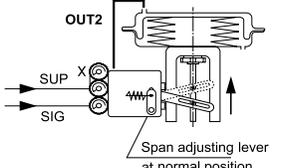
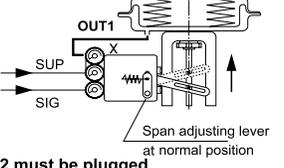
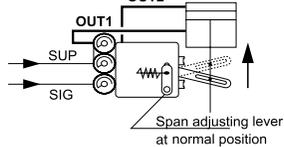
- Easy maintenance
- Precise calibration with simple SPAN and ZERO adjustments
- Simple conversion to Direct Acting or Reverse Acting
- Split range control available by simple adjustments without changing parts
- Simple structure for feedback connection
- Corrosion-resistant aluminum diecast body
- Sensitive response for high performance
- Vibration resistant design
- Stainless steel gauges standard
- A restricted pilot valve orifice kit for small actuators included
- NAMUR mounting dimensions

NOTE: 1) Split range is available  
 2) Feedback lever for stroke 80-150mm is available (PPL)  
 3) Stroke can be adjusted to 0°-60° or 0°-100° (PPR)

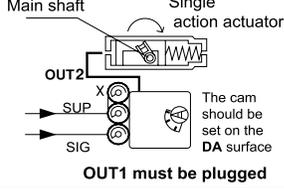
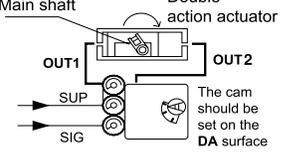


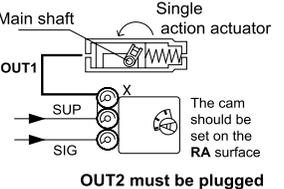
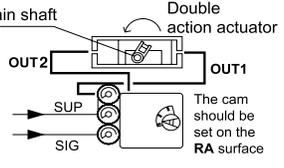
# Air Piping PPL 1200 (Linear Type)

Direct Acting (DA)	
As the input signal increases, Valve stem moves downwards Actuator : <b>DA</b> Connection : Out 1	 <b>OUT2 must be plugged</b>
As the input signal increases, Valve stem moves downwards Actuator : <b>DA</b> Connection : Out 2	 <b>OUT1 must be plugged</b>
As the input signal increases, Valve stem moves downwards	

Reverse Acting (RA)	
As the input signal increases, Valve stem moves upwards Actuator : <b>RA</b> Connection : Out 2	 <b>OUT1 must be plugged</b>
As the input signal increases, Valve stem moves upwards Actuator : <b>RA</b> Connection : Out 1	 <b>OUT2 must be plugged</b>
As the input signal increases, Valve stem moves upwards	

## PPR - Rotary Type

Direct Acting (DA)	
As the input signal increases, Actuator stem rotates clockwise	 <b>OUT1 must be plugged</b>
As the input signal increases, Actuator stem rotates clockwise	

Reverse Acting (RA)	
As the input signal increases, Actuator stem rotates counter-clockwise	 <b>OUT2 must be plugged</b>
As the input signal increases, Actuator stem rotates counter-clockwise	

## How To Order

<b>PP</b>	<b>R</b>	<b>1200</b>	—	<b>XX</b>	—	<b>TR</b>	—	<b>X</b>
<b>PP</b> Pneumatic	<b>L</b> Linear	<b>1200</b> 3-15 psi		<b>XX</b> (0) Limit Switches		<b>XX</b> No Transmitter		<b>X</b> Flat Indicator
<b>EP</b> Electro-Pneumatic	<b>R</b> Rotary	<b>1000</b> 4-20 mA		<b>LS</b> 2 SPDT Mechanical		<b>TR</b> 4-20 mA Position Transmitter		<b>D</b> Dome Indicator
				<b>PS</b> 2 Proximity Switches				

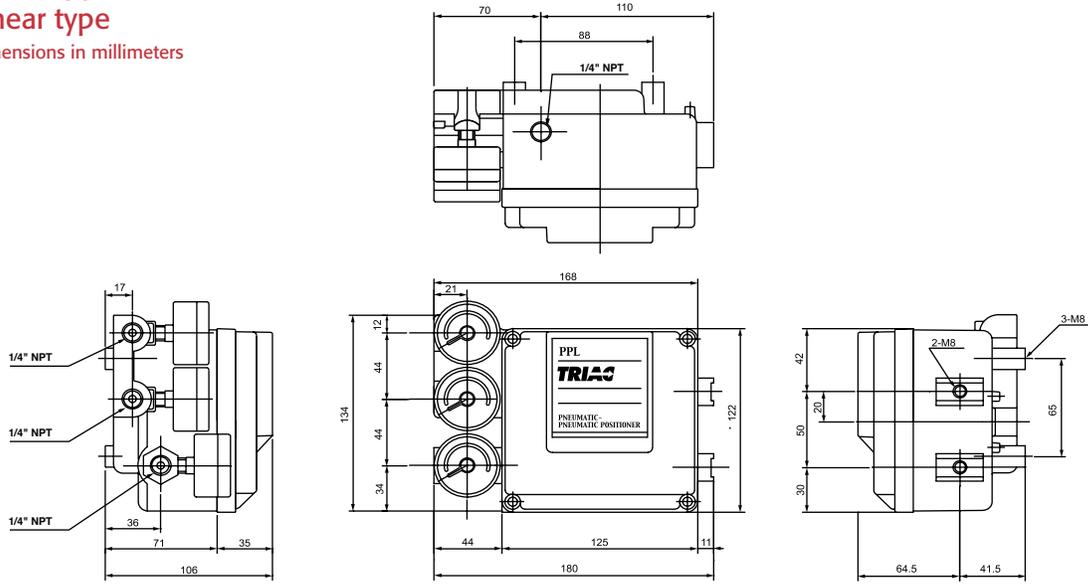
## Example PPR1200-XX-TR-X

Pneumatic Rotary Positioner, 3-15psi signal, with 4-20mA Position Transmitter, and Flat Position Indicator

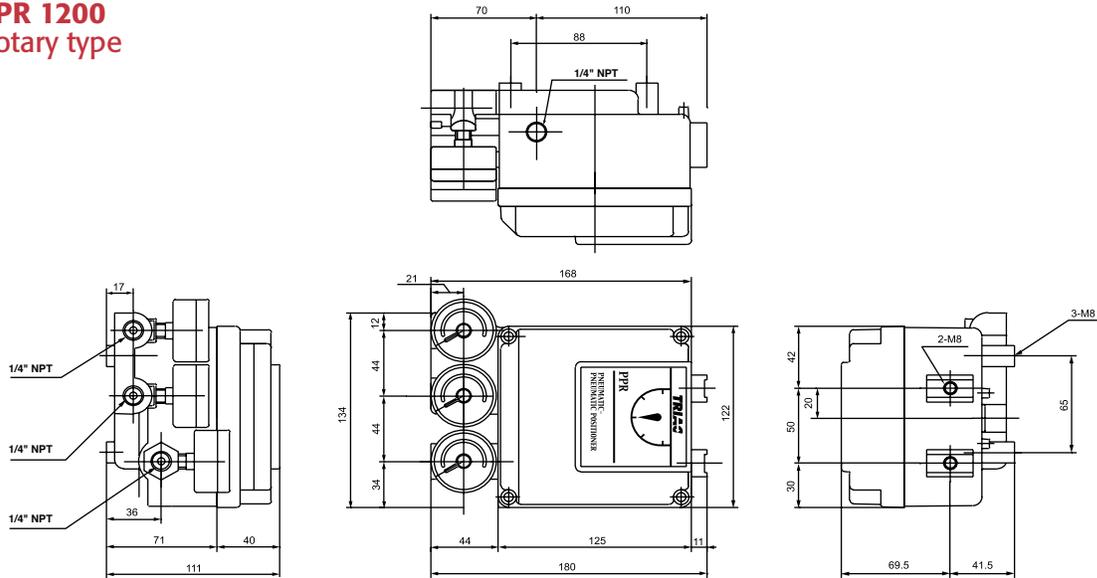
# Dimensions

## PPL 1200 Linear type

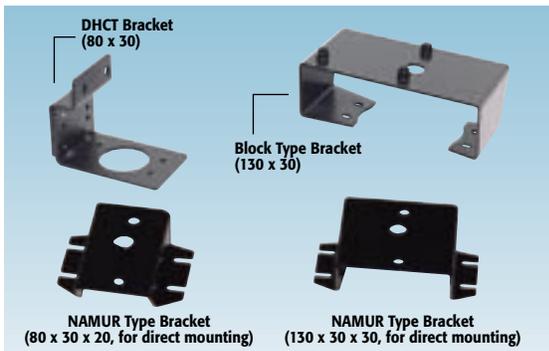
Dimensions in millimeters



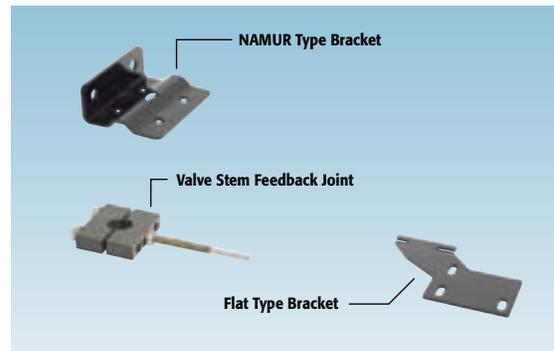
## PPR 1200 Rotary type



## Accessories



**Rotary Type Mounting Brackets**



**Linear Type Mounting Brackets**



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