



Robust valve control device giving a confidence in reliable performance and outstanding durability under harsh working environments

Features

- ▶ Easy maintenance
- ▶ Precise calibration with simple SPAN and ZERO adjustments
- ▶ Simple conversion to direct acting or reverse acting
- ▶ 1/2 split range available
- ▶ Rugged aluminum housing with corrosion-resistant coating
- ▶ Vibration resistant design
- ▶ Stainless steel gauges standard
- ▶ Restricted pilot valve orifice kit for small actuators included

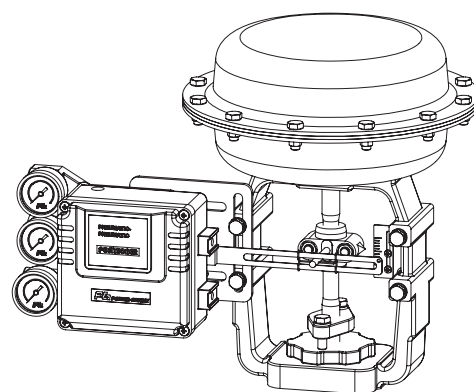
Options

- ▶ High temperature

Specifications

	PPL	
	Linear Type (Lever Feedback)	
	Single	Double
Input Signal	0.2 - 1.0 bar (3 - 15 psi) (Note.1, 2)	
Supply Air Pressure	Max. 7.0 bar (100 psi)	
Standard Stroke	10 - 80 mm (Note.3)	
Pneumatic Connections	PT(Rc) 1/4 or NPT 1/4	
Ambient Temperature	-20 ~ +70°C (Note. 4)	
Pressure Gauge	Stainless steel	
Output Characteristics	Linear	
Linearity	Within ± 1.0 % F.S	Within ± 1.5 % F.S
Sensitivity	Within ± 0.2 % F.S	Within ± 0.5 % F.S
Hysteresis	Within 1.0 % F.S	
Repeatability	Within ± 0.5 % F.S	
Air Consumption	5 LPM (Sup. 1.4 bar)	
Flow Capacity	80 LPM (Sup. 1.4 bar)	
Body Material	Aluminium die-cast	
Weight	2.1 kg	

Note : 1) 1/2 split range is available for 3~9 psi input signal or 9~15 psi input signal
 2) Please contact for 6~30 psi input signal
 3) Feedback lever can be extended to stroke 80 ~ 150mm
 4) High temperature option : up to +120 °C without feedback options
 up to +85 °C with feedback options



How to Order

PPL —

Feedback
Lever

Pressure
Gauge
(SUP. OUT)

Pilot
Valve
Orifice

Connection
Threads

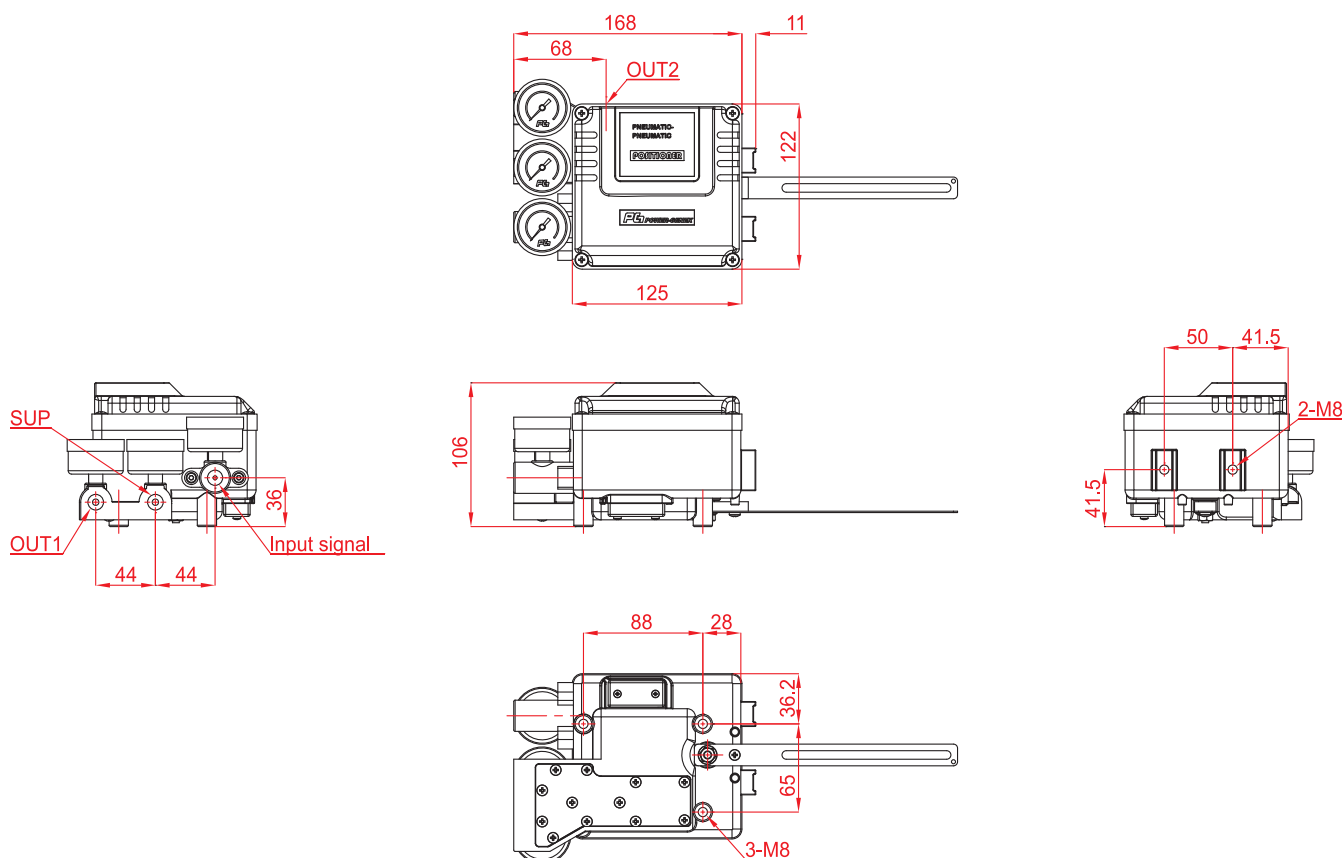
High
Temp

Mounting
Bracket

Description	Code
Feedback Lever :	A : Stroke (10 ~ 40 mm) B : Stroke (10 ~ 80 mm) C : Stroke (80 ~ 150 mm)
Pressure Gauge :	1 : 6 bar (90 psi) 2 : 10 bar (150 psi)
Pilot Valve Orifice :	S : Standard (Actuator volume over 180 cm ³) M : Small orifice (ϕ 1.0 or ϕ 0.7) (Actuator volume 90~180 cm ³)

Description	Code
Connection Threads : (pneumatic)	3 : PT(Rc) 1/4 4 : NPT 1/4
High Temperature ..	T : 70°C (standard) H : 120°C
Mounting Bracket :	N : None L : DIN / IEC 534

Dimensions





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Options

- ▶ Position transmitter (4-20mA output signal)
- ▶ 2 x SPDT limit switch
- ▶ 2 x P&F proximity sensor NJ2-V3-N
- ▶ Visual dome indicator
- ▶ High temperature

Specifications

	PPR	
	Rotary Type (Cam Feedback)	
	Single	Double
Input Signal	0.2 - 1.0 bar (3 - 15 psi) (Note.1, 2)	
Supply Air Pressure	Max. 7.0 bar (100 psi)	
Standard Stroke	60 - 100° (Note.3)	
Pneumatic Connections	PT(Rc) 1/4 or NPT 1/4	
Ambient Temperature	-20 ~ +70°C (Note. 4)	
Pressure Gauge	Stainless steel	
Output Characteristics	Linear	
Linearity	Within ± 1.0 % F.S	Within ± 1.5 % F.S
Sensitivity	Within ± 0.5 % F.S	
Hysteresis	Within 1.0 % F.S	
Repeatability	Within ± 0.5 % F.S	
Air Consumption	5 LPM (Sup. 1.4 bar)	
Flow Capacity	80 LPM (Sup. 1.4 bar)	
Body Material	Aluminium die-cast	
Weight	2.5 kg	

- Note** : 1) 1/2 split range is available for 3~9 psi input signal or 9~15 psi input signal
 2) Please contact for 6~30 psi input signal
 3) Operating angle can be adjusted to 0~60° or 0~100°
 4) High temperature option : up to +120°C without feedback options
 up to +85°C with feedback options



With Dome Indicator

How to Order

PPR

Feedback
Shaft

Pressure
Gauge
(SUP. OUT)

Pilot
Valve
Orifice

Position
Feedback

Connection
Threads

Dome
Indicator

High
Temp

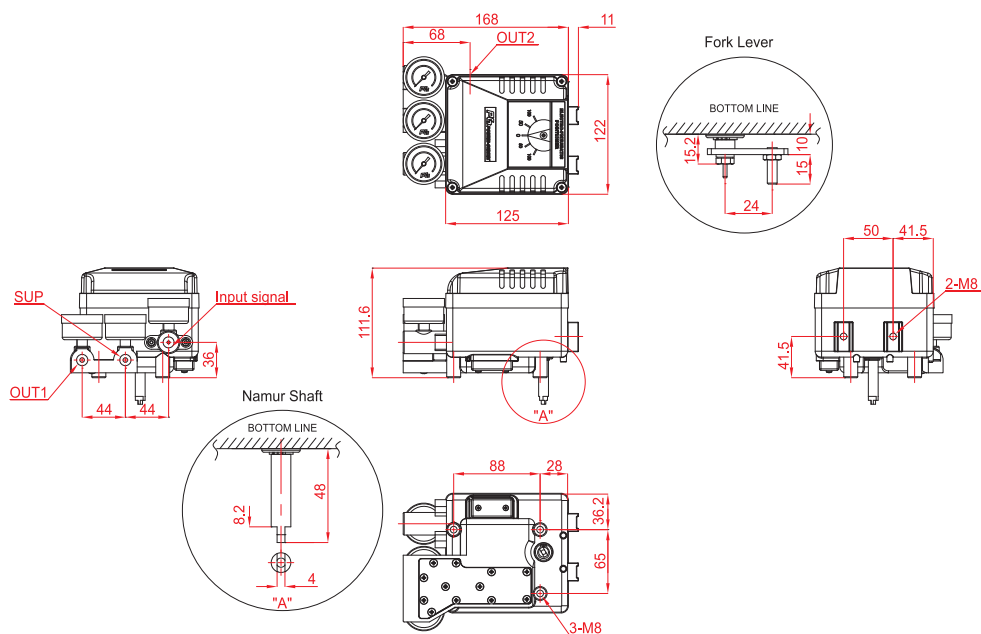
Mounting
Bracket

Description	Code
Feedback Shaft :	N : NAMUR shaft (direct mounting) A : Fork lever M6 x 40L B : Fork lever other size on request
Pressure Gauge :	1 : 6 bar (90 psi) 2 : 10 bar (150 psi)
Pilot Valve Orifice :	S : Standard (Actuator volume over 180 cm ³) M : Small orifice (φ 1.0 or φ 0.7) (Actuator volume 90~180 cm ³)
Position Feedback :	N : None (standard) O : Position transmitter (4~20mA output signal) L : 2 x SPDT limit switch P : 2 x proximity sensor P&F NJ2-V3-N M : O+L Q : O+P

Description	Code
Connection Threads : (pneumatic)	3 : PT(Rc) 1/4 4 : NPT 1/4
Dome Indicator :	N : Flat indicator (standard) D : Dome indicator
High Temperature :	T : 70°C (standard) H : 120°C (without position feedback option) 85°C (with position feedback option)
Mounting Bracket :	N : None
• NAMUR Shaft Type :	R : Multi-size NAMUR bracket for DIN VDI/VDE 3845 (130 × 30 × 50 bracket on request)
• Fork Lever Type :	F : DHCT bracket 80x30 for fork lever type E : Multi-size NAMUR bracket for fork lever type (130 × 30 × 50 bracket on request)

Dimensions

A. With Flat Indicator



B. With Dome Indicator

