

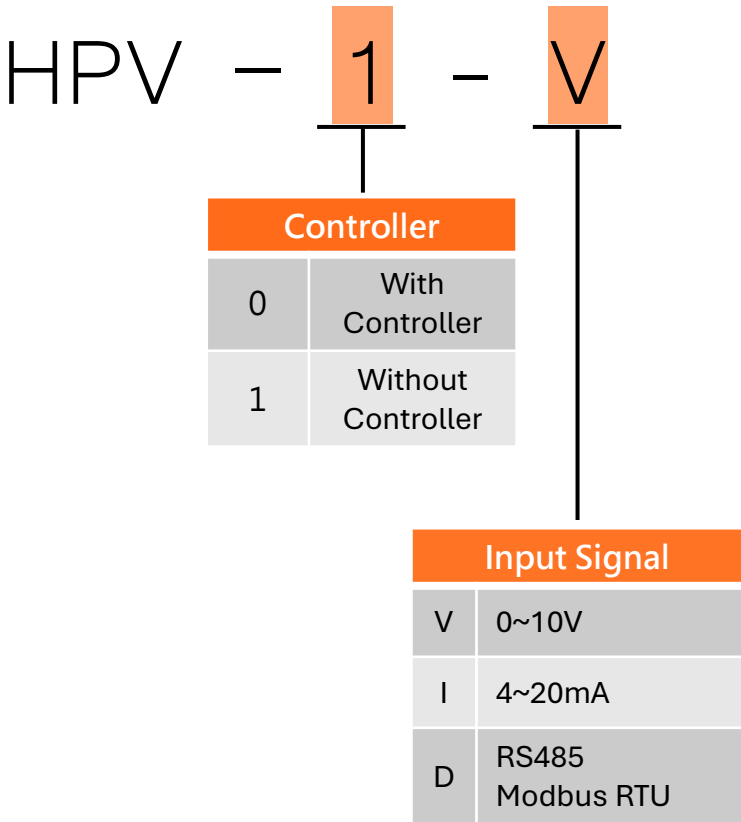


Features



- Quick Upgrade** – Digitize manual needle valves by replacing the handle.
- Precise Control** – Supports analog & digital input.
- Position Feedback** – Real-time monitoring, ensures full closure.
- Less Manual Effort** – Reduces operator inconsistencies.
- High Compatibility** – Fits various needle valves, easy to install.
- Smart Integration** – Works with PLCs and industrial systems.

Ordering code



⚠ Warning

This product is intended for use only in industrial compressed gas systems.
Do not operate this product beyond the specified pressure and temperature limits.

Specification

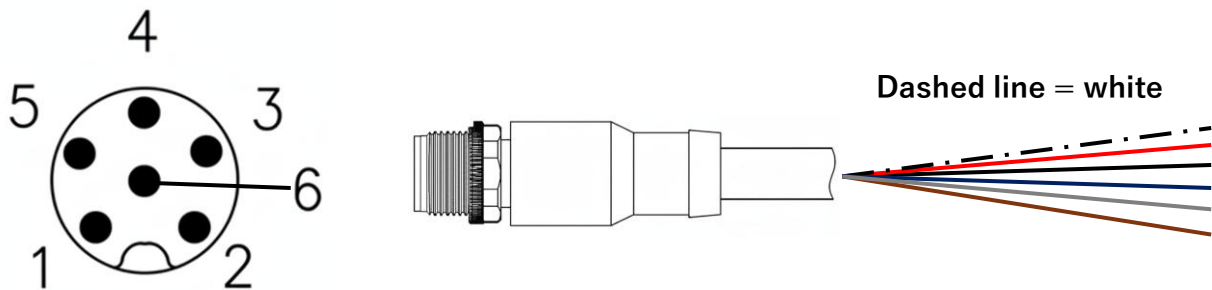
Item		HPV-0-□	HPV-1-□
Port Size		HPV-0/1-□: 1/4G" HPV-0/1-□: 3/8G"	
Power	Voltage	DC24V ± 10%	
	Current Consumption	≤ 24W	
Input Signal	Voltage Type	0-10V	
	Current Type	4-20mA	
	Digital Type	RS485 (Communication Protocol: Modbus)	
Input Impedance	Voltage Type	4kΩ	
	Current Type	250Ω	
Electrical Connection		4-pin Pluggable Screw Terminal Back	
Repeatability		±0.1% @ Full Scale (F.S.)	
Response Time		0.8 seconds at 10% of full scale travel	
Display Accuracy		±0.3% @ Full Scale (F.S.)	
Ambient Temperature		0-60°C	
Fluid Temperature		0-60°C	
Waterproof Rating		IP40	

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Pin Assignment

⚠ Proceed to the corresponding section based on the type of valve being installed.
NOTE: All color codes refer to the factory-prewired HPV-XXX power cord.

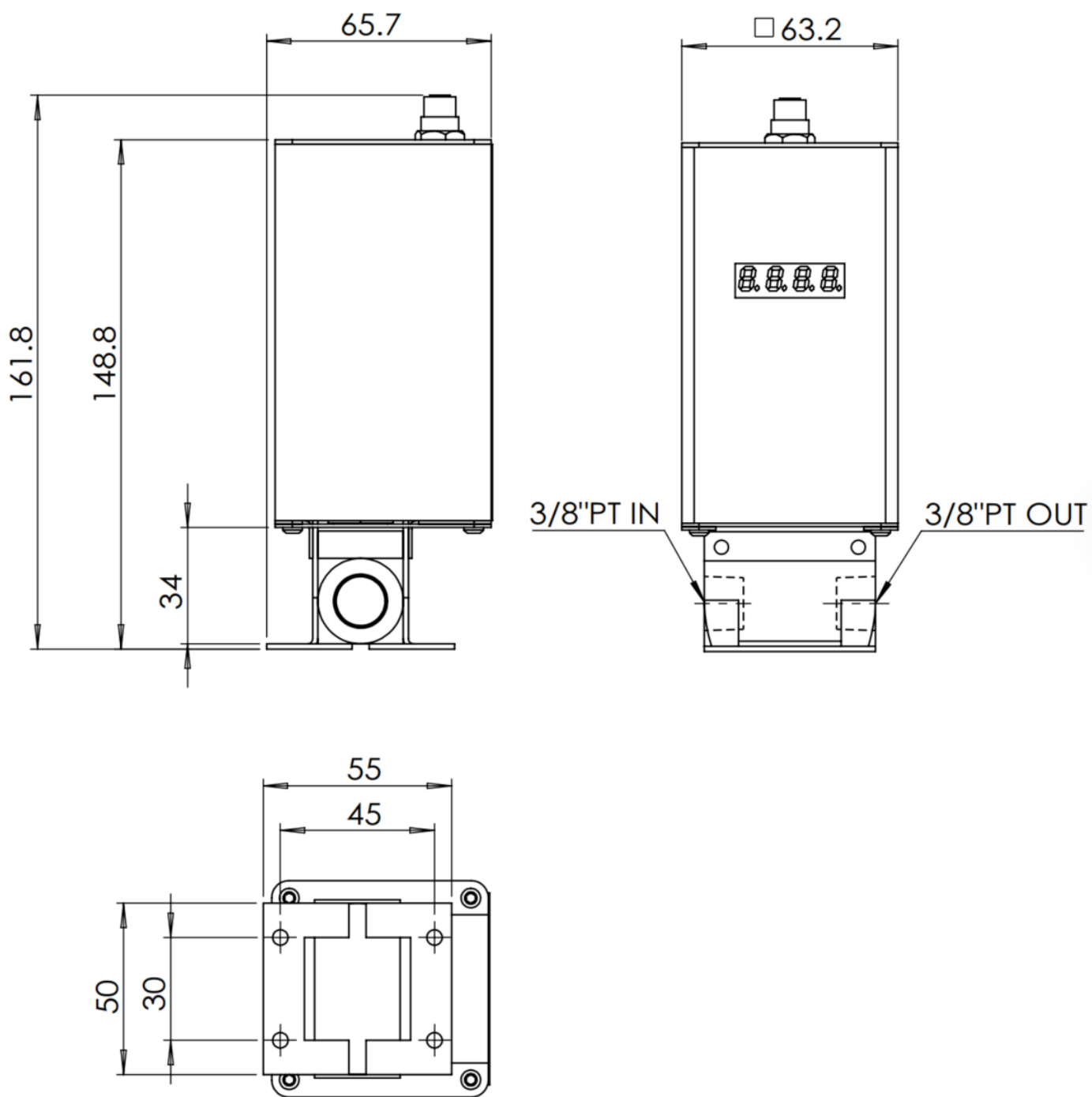


PIN	Cable Color	Function
1	Brown	24V Power(+)
2	Blue	24V Power(-)
3	White	Input Signal(+) Modbus RTU RS485(+)
4	Grey	Input Signal(-) Modbus RTU RS485(-)
5	Black	Error Reset
6	Pink	Error output(-)

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Overall Dimensions



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