



MPV0121-02U

The Ranco® MPV Series Mini Pressure Switches are electromechanical pressure microswitches with fixed settings. These switches are used to protect refrigeration systems working under critical conditions by programming the high- and low-pressure limit settings. These products are available in low-, medium- and high-pressure types.

Features and Benefits

- Compact and easy to install
- Multiple application systems supported – refrigeration, air conditioning, and heat pumps
- Excellent set point reliability; opens on pressure drop and automatically resets
- Designed with snap-action stainless steel hermetically sealed sensor
- Life cycles of 100,000 @ RLA; Maximum RLA is 36 Amps
- 3' (1m), AWG wire lead cables

Specifications

Part Numbers	Description	Switch	R410A Compatible	Open (Cut-Out)	Close (Cut-In)	Tolerance +/-	Pressure Connection	Electrical Rating
MPV0121-02U	Mini Pressure Switch - Low	SPST		3 PSI (.2 bar)	20 PSI (1.4 bar)	5 PSI (.35 bar)	¼" SAE female flare fitting with valve core depressor	10 Amps @ 12 – 28V AC/V DC; 5 Amps @ 48V AC/V DC; 6 Amps @ 110 – 220V AC/V DC; 3 Amps @ 208 - 240V AC/V DC
MPV0221-02U	Mini Pressure Switch - Medium	SPST	X	35 PSI (2.4 bar)	60 PSI (4.1bar)	5 PSI (.35 bar)	¼" SAE female flare fitting with valve core depressor	10 Amps @ 12 – 28V AC/V DC; 5 Amps @ 48V AC/V DC; 6 Amps @ 110 – 220V AC/V DC; 3 Amps @ 208 - 240V AC/V DC
MPV0421-02U	Mini Pressure Switch - Low	SPST	X	75 PSI (5.2 bar)	100 PSI (6.9 bar)	5 PSI (.35 bar)	¼" SAE female flare fitting with valve core depressor	10 Amps @ 12 – 28V AC/V DC; 5 Amps @ 48V AC/V DC; 6 Amps @ 110 – 220V AC/V DC; 3 Amps @ 208 - 240V AC/V DC
MPV0321-02U	Mini Pressure Switch - High	SPST		385 PSI (26.5 bar)	261 PSI (18 bar)	15 PSI (1.03 bar)	¼" SAE female flare fitting with valve core depressor	10 Amps @ 12 – 28V AC/V DC; 5 Amps @ 48V AC/V DC; 6 Amps @ 110 – 220V AC/V DC; 3 Amps @ 208 - 240V AC/V DC
MPV0521-02U	Mini Pressure Switch - High	SPST	X	600 PSI (41.4 bar)	475 PSI (32.8 bar)	15 PSI (1.03 bar)	¼" SAE female flare fitting with valve core depressor	10 Amps @ 12 – 28V AC/V DC; 5 Amps @ 48V AC/V DC; 6 Amps @ 110 – 220V AC/V DC; 3 Amps @ 208 - 240V AC/V DC



MPV SERIES

MINI PRESSURE SWITCHES

Replacement Information

Item Name	Part Numbers	Ranco	Robertshaw	Supco	Mars	Johnson Controls
Mini Pressure Sensor - Low	MPV0121-02U	MPL7001	3101001	SLP0520	33329/43341	P100AC1C
Mini Pressure Sensor - Medium	MPV0221-02U	MPL7004	3100004/MG201593	SLP3560	43349	
Mini Pressure Sensor - High	MVP0321-02U	MPH7106	3100111	SHP375265	33319/43328	
Mini Pressure Sensor - Low	MPV0421-02U			SLP75100	33342/43353	
Mini Pressure Sensor - High	MPV0521-02U			SHP600475	33361/43335	