

## JOHNSON CONTROLS - CONTROLS FOR DUAL PRESSURE APPLICATIONS P70,P72,AND P170 SERIES

MICRO-SET CONTROLS FOR NON-CORROSIVE REFRIGERANTS

### SELECTION CHART



The P70, P72, and P170 controls for dual pressure applications are designed primarily for use as combination high and low pressure controls on commercial refrigeration and air conditioning applications.

### SELECTION CHART

PART NO	SWITCH ACTION	LOW PRESSURE psig (kPa)		HIGH PRESSURE psig (kPa)		PRESSURE CONNECTOR	LIMITED KNOB ADJ
		Range	Diff	Range	Diff (Non-Adj)		
P70LB-6	SPST	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)	100 to 500	Fixed at 65 (448) or Lockout requires, manual reset	36 in. Cap. With 1/4 in. Flare Nut	LOW CUT OUT
P70MA-18	SPST	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)	100 to 500	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P70SA-1	Two Independent SPDT	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)	100 to 500 (690 to 3447)	Fixed at 65 (448) or Lockout requires, manual reset	36 in. Cap. With 1/4 in. Flare Nut	None
P170LB-6	SPST	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)	100 to 500 (690 to 3447)	Fixed Approx: 65 (448)	1/4 in. Male Flare Connector	LOW CUT OUT
P170MA-18	SPST	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	1/4 in. Male Flare Connector	None
P170SA-1	Two Independent SPDT	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)	100 to 500 (690 to 3447)	Fixed at 65 (448) or Lockout (Requires Manual Reset)	1/4 in. Male Flare Connector	None

### ALL RANGE CONTROLS FOR NON-CORROSIVE REFRIGERANTS

#### SELECTION CHART

PART NO	SWITCH ACTION	LOW PRESSURE psig (kPa)		HIGH PRESSURE psig (kPa)		PRESSURE CONNECTOR	LIMITED KNOB ADJ
		Range	Diff	Range	Diff (Non-Adj)		
P70LB-1	SPST	20 in. to 100 (-68 to 690)	Min 6 (41) Max 50 (345)	100 to 500 (690 to 3447)	Fixed Approx: 65 (448)	36 in. Cap. With 1/4 in. Flare Nut	LOW CUT OUT
P70MA-1	SPST	20 in. to 100 (-68 to 690)	Min 6 (41) Max 50 (345)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P70NA-1	SPST	20 in. to 100 (-68 to 690)	Fixed (Manual Reset)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P72LA-1	DPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3445)	Fixed Approx: 65 (448)	36 in. Cap. With 1/4 in. Flare Nut	None
P72LB-1	DPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3447)	Fixed Approx: 65 (448)	36 in. Cap. With 1/4 in. Flare Nut	LOW CUT OUT
P72MA-1	DPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P72NA-1	DPST	20 in. to 100 (-68 to 690)	Fixed (Manual Reset)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P170LB-1	SPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3445)	Fixed Approx: 65 (448)	36 in. Cap. With 1/4 in. Flare Nut	LOW CUT OUT
P170MA-1	SPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P170NA-1	SPST	20 in. to 100 (-68 to 690)	Fixed (Manual Reset)	100 to 500 (690 to 3447)	Lockout (Requires Manual Reset)	36 in. Cap. With 1/4 in. Flare Nut	None
P70MA-2	SPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3445)	Lockout (3620 High) (Requires Manual Reset)	1/4 in. Female NPT Conn.	None

### ALL RANGE AMMONIA COMPATIBLE CONTROLS

#### SELECTION CHART

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PART NO	SWITCH ACTION	LOW PRESSURE psig (kPa)		HIGH PRESSURE psig (kPa)		PRESSURE CONNECTOR	LIMITED KNOB ADJ
		Range	Diff	Range	Diff (Non-Adj)		
P70LA-2	SPST	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	100 to 500 (690 to 3445)	65 psi < 300 psig 75 psi 300-400 psig 95 psi > 400 psig	1/4 in. Female NPT Conn.	None