

Pressure Switches

RHS and RHM Series



RHS-600475



RHM-410

1 Year
Limited
Warranty



RHS
COMPLIANT



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Description

Ranco® pressure switches are designed to sense and act upon reaching a pre-set pressure threshold. Various pressure switch models are available for low-pressure or high-pressure cutouts, as well as for operating control cycling. Our switches meet a wide array of customer applications, from HVAC/R to transport and industrial systems, including situations where extreme conditions or exceptional performance are essential. Durable, reliable and compact, our controls can be equipped with a nearly limitless variety of pressure fittings and electrical connections, making them the ideal controls for any system application. With a dedicated team of application and support engineers around the globe, Ranco® also specifically designs and builds custom pressure switches for customers whose systems require a unique and specific pressure solution. Ranco® pressure switches provide a truly customized sensor in a hermetically sealed design made out of premium materials for virtually any application.

Features and Benefits

- Many options are available to address a wide variety of industry and end-user needs: auto/manual resets, LP/HP/fan cycling controls, SPST
- Hermetically (epoxy) sealed sensor design ensures protection from environmental conditions
- Excellent set point stability and cycle life due to a high-quality, mobile switch arm
- Robust welded and potted wire leads facilitate reliable operation
- Premium sensor materials and design, including a high-grade stainless steel disc for reliable lifetime performance

Applications

- Heat pump systems
- Air conditioning systems
- Refrigeration systems

Specifications

RHS Series		RHM Series	
Burst Pressure: 5000 PSI		Burst Pressure: 5000 PSI	
Temperature Range		Temperature Range	
Ambient: -22°F to 176°F (-30°C to 80°C)		Ambient: -22°F to 176°F (-30°C to 80°C)	
Fluid: -58°F to 248°F (-50°C to 120°C)		Fluid: -58°F to 248°F (-50°C to 120°C)	
Electrical Rating: 50/60Hz, 36VDC, 3A		Electrical Rating: 50/60Hz, 36VDC, 3A	
Voltage Amperage: 24 125VA pilot duty 120 375VA pilot duty 240 375VA pilot duty		Voltage Amperage: 24 125VA pilot duty 120 375VA pilot duty 240 375VA pilot duty	
Pressure Fittings: 1/4" SAE FF		Pressure Fittings: 1/4" SAE FF	
Switch Configuration: SPST, OPEN		Switch Configuration: SPST, CLOSED	
Lifetime (Cycles): 100,000		Lifetime (Cycles): 30,000	

Part Number	Application	Reset	Set Points (PSI)			Replaces		
			Open (Cut-Out)	Close (Cut-In)	Tolerance (+/- PSI)	Johnson Controls	MARS	Supco
RHS-0520	Low Pressure	Auto	5 PSI (0.3 Bar)	20 PSI (1.4 Bar)	5 PSI	P100AC-1C	43341	SLP0520
RHS-0530	Low Pressure	Auto	5 PSI (0.3 Bar)	30 PSI (2.1 Bar)	5 PSI	P100AP-355C	43342	SLP0530
RHS-1025	Low Pressure	Auto	10 PSI (0.7 Bar)	25 PSI (1.7 Bar)	5 PSI	P100AP-15C	43343	SLP1025
RHS-1030	Low Pressure	Auto	10 PSI (0.7 Bar)	30 PSI (2.1 Bar)	5 PSI	P100AP-201C		
RHS-1032	Low Pressure	Auto	10 PSI (0.7 Bar)	32 PSI (2.2 Bar)	5 PSI			SLP1032
RHS-1530	Low Pressure	Auto	15 PSI (1 Bar)	30 PSI (2.1 Bar)	5 PSI	P100AC-2C		
RHS-1535	Low Pressure	Auto	15 PSI (1 Bar)	35 PSI (2.4 Bar)	5 PSI		43344	SLP1535
RHS-2045	Low Pressure	Auto	20 PSI (1.4 Bar)	45 PSI (3.1 Bar)	5 PSI	P100AP-356C	43345	SLP2045
RHS-2550	Low Pressure	Auto	25 PSI (1.7 Bar)	50 PSI (3.4 Bar)	5 PSI	P100AP-12C	43346	SLP2550
RHS-2565	Low Pressure	Auto	25 PSI (1.7 Bar)	65 PSI (4.5 Bar)	5 PSI		43347	SLP2565
RHS-2580	Low Pressure	Auto	25 PSI (1.7 Bar)	80 PSI (5.5 Bar)	5 PSI	P100AP-9C	43348	SLP2580
RHS-3560	Low Pressure	Auto	35 PSI (2.4 Bar)	60 PSI (4.1 Bar)	5 PSI	P100AP-2C	43349	SLP3560
RHS-4075	Low Pressure	Auto	40 PSI (2.8 Bar)	75 PSI (5.2 Bar)	5 PSI			
RHS-4080	Low Pressure	Auto	40 PSI (2.8 Bar)	80 PSI (5.5 Bar)	5 PSI	P100AP-357C	43350	SLP4080
RHS-4560	Low Pressure	Auto	45 PSI (3.1 Bar)	60 PSI (4.1 Bar)	5 PSI		43351	SLP4560
RHS-5090	Low Pressure	Auto	50 PSI (3.4 Bar)	90 PSI (6.2 Bar)	5 PSI	P100AP-361C	43352	SLP5090
RHS-75100	Low Pressure	Auto	75 PSI (5.2 Bar)	100 PSI (6.9 Bar)	5 PSI	P100AP-358C	43301	SLP75100
RHS-85105	Low Pressure	Auto	85 PSI (5.9 Bar)	105 PSI (7.2 Bar)	5 PSI			SLP85105
RHS-90120	Low Pressure	Auto	90 PSI (6.2 Bar)	120 PSI (8.3 Bar)	5 PSI		43375	SLP90120
RHS-75120	Fan Cycling	Auto	75 PSI (5.2 Bar)	120 PSI (8.3 Bar)	5 PSI			SFC75120
RHS-110170	Fan Cycling	Auto	110 PSI (7.6 Bar)	170 PSI (11.7 Bar)	10 PSI	P100AP-352C	43302	SFC110170
RHS-125265	Fan Cycling	Auto	125 PSI (8.6 Bar)	265 PSI (18.3 Bar)	10 PSI		43303	SFC125265
RHS-150225	Fan Cycling	Auto	150 PSI (10.3 Bar)	225 PSI (15.5 Bar)	10 PSI	P100AP-3C	43304	SFC150225
RHS-170250	Fan Cycling	Auto	170 PSI (11.7 Bar)	250 PSI (17.2 Bar)	10 PSI	P100AP-4C	43355	SFC170250
RHS-195275	Fan Cycling	Auto	195 PSI (13.4 Bar)	275 PSI (19 Bar)	10 PSI	P100AP-200C		
RHS-200240	Fan Cycling	Auto	200 PSI (13.8 Bar)	240 PSI (16.5 Bar)	10 PSI			SFC200240
RHS-200365	Fan Cycling	Auto	200 PSI (13.8 Bar)	365 PSI (25.2 Bar)	10 PSI			SFC200365
RHS-210275	Fan Cycling	Auto	210 PSI (14.5 Bar)	275 PSI (19 Bar)	10 PSI	P100AP-354C	43306	SFC210275
RHS-275350	Fan Cycling	Auto	275 PSI (19 Bar)	350 PSI (24.1 Bar)	10 PSI			SFC275350
RHS-300400	Fan Cycling	Auto	300 PSI (20.7 Bar)	400 PSI (27.6 Bar)	10 PSI	P100AP-332C	43307	SFC300400
RHS-200150	High Pressure	Auto	200 PSI (13.8 Bar)	150 PSI (10.3 Bar)	10 PSI		43337	SHP200150
RHS-250150	High Pressure	Auto	250 PSI (17.2 Bar)	150 PSI (10.3 Bar)	10 PSI	P100CP-158C	43322	SHP250150
RHS-250180	High Pressure	Auto	250 PSI (17.2 Bar)	180 PSI (12.4 Bar)	10 PSI			SHP250180
RHS-275195	High Pressure	Auto	275 PSI (19 Bar)	195 PSI (13.4 Bar)	10 PSI		43324	SHP275195
RHS-275205	High Pressure	Auto	275 PSI (19 Bar)	205 PSI (14.1 Bar)	10 PSI			
RHS-300200	High Pressure	Auto	300 PSI (20.7 Bar)	200 PSI (13.8 Bar)	10 PSI	P100CP-91C	43325	SHP300200
RHS-300225	High Pressure	Auto	300 PSI (20.7 Bar)	225 PSI (15.5 Bar)	10 PSI			
RHS-325225	High Pressure	Auto	325 PSI (22.4 Bar)	225 PSI (15.5 Bar)	10 PSI	P100CP-166C	43326	SHP325225
RHS-325230	High Pressure	Auto	325 PSI (22.4 Bar)	230 PSI (15.9 Bar)	10 PSI			SHP325230
RHS-325245	High Pressure	Auto	325 PSI (22.4 Bar)	245 PSI (16.9 Bar)	10 PSI			
RHS-350250	High Pressure	Auto	350 PSI (24.1 Bar)	250 PSI (17.2 Bar)	10 PSI		43327	SHP350250
RHS-350265	High Pressure	Auto	350 PSI (24.1 Bar)	265 PSI (18.3 Bar)	10 PSI			
RHS-375265	High Pressure	Auto	375 PSI (25.9 Bar)	265 PSI (18.3 Bar)	10 PSI			SHP375265
RHS-375285	High Pressure	Auto	375 PSI (25.9 Bar)	285 PSI (19.7 Bar)	10 PSI			
RHS-400200	High Pressure	Auto	400 PSI (27.6 Bar)	200 PSI (13.8 Bar)	10 PSI	P100CP-161C	43329	SHP400200
RHS-400280	High Pressure	Auto	400 PSI (27.6 Bar)	280 PSI (19.3 Bar)	10 PSI	P100CP-162C	43330	SHP400280
RHS-400300	High Pressure	Auto	400 PSI (27.6 Bar)	300 PSI (20.7 Bar)	10 PSI	P100CP-1C	43331	SHP400300
RHS-425300	High Pressure	Auto	425 PSI (29.3 Bar)	300 PSI (20.7 Bar)	10 PSI	P100CP-163C	43332	SHP425300
RHS-425325	High Pressure	Auto	425 PSI (29.3 Bar)	325 PSI (22.4 Bar)	10 PSI	P100CP-2C	43333	SHP425325
RHS-450250	High Pressure	Auto	450 PSI (31 Bar)	250 PSI (17.2 Bar)	15 PSI	P100CP-164C	43334	SHP450250
RHS-480380	High Pressure	Auto	480 PSI (33.1 Bar)	380 PSI (26.2 Bar)	15 PSI			SHP480380
RHS-550450	High Pressure	Auto	550 PSI (37.9 Bar)	450 PSI (31 Bar)	15 PSI			SHP550450
RHS-600475	High Pressure	Auto	600 PSI (41.4 Bar)	475 PSI (32.8 Bar)	15 PSI	P100CP-165C	43335	SHP600475
RHS-610420	High Pressure	Auto	610 PSI (42.1 Bar)	420 PSI (30 Bar)	15 PSI		43366	SHP610420
RHS-650510	High Pressure	Auto	650 PSI (44.8 Bar)	510 PSI (35.2 Bar)	15 PSI			
RHS-665565	High Pressure	Auto	665 PSI (45.9 Bar)	565 PSI (40 Bar)	15 PSI	P100CP-85C		SHP665565
RHM-350	Manual High Pressure	Manual	350 PSI (24.1 Bar)	Manual	10 PSI	P100DA-35C		
RHM-375	Manual High Pressure	Manual	375 PSI (25.9 Bar)	Manual	10 PSI	P100DC-3C	43312	SMR375
RHM-410	Manual High Pressure	Manual	410 PSI (28.3 Bar)	Manual	10 PSI	P100DA-1C	43313	SMR410
RHM-440	Manual High Pressure	Manual	440 PSI (30.3 Bar)	Manual	10 PSI	P100DA-101C	43315	SMR440
RHM-475	Manual High Pressure	Manual	475 PSI (32.8 Bar)	Manual	10 PSI	P100DA-2C	43316	
RHM-575	Manual High Pressure	Manual	575 PSI (39.6 Bar)	Manual	15 PSI	P100DA-86C	43368	SMR575
RHM-610	Manual High Pressure	Manual	610 PSI (42.1 Bar)	Manual	15 PSI		43369	SMR610
RHM-630	Manual High Pressure	Manual	630 PSI (43.4 Bar)	Manual	15 PSI	P100DA-81C		SMR630