



RHM-410



RHS-600475

Ranco® HD Heavy Duty Mini-Pressure switches are designed to sense and act upon reaching a pre-set pressure threshold. Various mini pressure switch models are available for low pressure or high pressure cutouts, as well as operate 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 HD Mini Pressure Switches provide a truly customized sensor in a hermetically sealed design, made out of premium materials, for virtually any application.

HD Mini Pressure Switch Specifications

Pressure Range	0 - 50 bar, 0 - 735 PSIG
Burst Pressure	345 bar, 5000 PSIG
Terminal Type	Normally Open (Low Pressure Cut-out) Normally Closed (High Pressure Cut-out)
Fluid Temperature	-55°C to 135°C
Ambient Temperature	-30°C to 70°C
Electrical Rating	
120 VAC	5.8 FLA / 34.8 LRA
240 VAC	2.9 FLA / 17.4 LRA
120/277 VAC	375 VA
24 VAC	125 VA"
Pressure Fittings	1/4" SAE FF
Electrical Connection	IP65 rated 1m wire lead cables
Lifetime (Cycles)	100,000

Features and Benefits

- Many options available to address a wide variety of industry and end user needs: auto/manual resets, LP/HP/fan cycling controls, SPST, SPDT
- 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 high-grade stainless steel disc for reliable lifetime performance

Applications

- Pressure limiting
- System monitoring and alarm
- Fan cycling
- Specialty controls





RHS AND RHM SERIES

HD MINI PRESSURE SWITCHES

Specification

Part Numbers	Application	Reset	Set Points (bar)		Set Points (PSI)		Replaces		
			Open (Cut-Out)	Close (Cut-In)	Open (Cut-Out)	Close (Cut-In)	Johnson Controls	MARS	Supco
RHS-0520	Low Pressure	Auto	0.35	1.4	5	20	P100AC-1C	43341	SLP0520
RHS-1030	Low Pressure	Auto	0.7	2.1	10	30	P100AP-201C		SLP1032
RHS-1530	Low Pressure	Auto	1.0	2.1	15	30	P100AC-2C		
RHS-2045	Low Pressure	Auto	1.4	3.1	20	45	P100AP-356C	43345	SLP2045
RHS-2550	Low Pressure	Auto	1.7	3.4	25	50	P100AP-12C	43346	SLP2550
RHS-3560	Low Pressure	Auto	2.4	4.1	35	60	P100AP-2C	43349	SLP3560
RHS-4075	Low Pressure	Auto	2.8	5.2	40	75			
RHS-5090	Low Pressure	Auto	3.4	6.2	50	90	P100AP-361C	43352	SLP5090
RHS-75100	Low Pressure	Auto	5.2	6.9	75	100	P100AP-358C	43301	SLP75100
RHS-110170	Fan Cycling	Auto	7.6	11.7	110	170	P100AP-352C	43302	
RHS-150225	Fan Cycling	Auto	10.3	15.5	150	225	P100AP-3C	43304	SFC150225
RHS-170250	Fan Cycling	Auto	11.7	17.2	170	250	P100AP-4C	43355	SFC170250
RHS-195275	Fan Cycling	Auto	13.4	18.0	195	275	P100AP-200C		
RHS-210275	Fan Cycling	Auto	14.5	18.0	210	275	P100AP-354C	43306	SFC210275
RHS-300400	Fan Cycling	Auto	20.7	27.6	300	400	P100AP-332C	43307	SFC300400
RHS-275205	High Pressure	Auto	19.0	14.1	275	205			
RHS-300225	High Pressure	Auto	20.7	15.5	300	225			
RHS-325245	High Pressure	Auto	22.4	16.9	325	245			
RHS-350265	High Pressure	Auto	24.1	18.3	350	265			
RHS-375285	High Pressure	Auto	25.8	19.6	375	285			
RHS-400200	High Pressure	Auto	27.6	13.8	400	200	P100CP-161C	43329	SHP400200
RHS-400300	High Pressure	Auto	27.6	20.7	400	300	P100CP-1C	43331	SHP400300
RHS-425325	High Pressure	Auto	29.3	22.4	425	325	P100CP-2C	43333	SHP425325
RHS-450250	High Pressure	Auto	31.0	17.2	450	250	P100CP-164C	43334	SHP450250
RHS-600475	High Pressure	Auto	41.4	31.0	600	475	P100CP-165C	43335	SHP600475
RHS-650510	High Pressure	Auto	44.8	35.2	650	510			
RHM-350	Manual High Pressure	Manual	24.1	Manual	350	Manual	P100DA-35C		
RHM-375	Manual High Pressure	Manual	25.8	Manual	375	Manual	P100DC-3C	43312	SMR375
RHM-410	Manual High Pressure	Manual	28.3	Manual	410	Manual	P100DA-1C	43313	SMR410
RHM-475	Manual High Pressure	Manual	32.7	Manual	475	Manual	P100DA-2C		
RHM-575	Manual High Pressure	Manual	39.6	Manual	575	Manual	P100DA-86C	43368	SMR575
RHM-610	Manual High Pressure	Manual	42.0	Manual	610	Manual		43369	SMR610
RHM-630	Manual High Pressure	Manual	43.4	Manual	630	Manual	P100DA-81C		SMR630



Customer Service (Europe) +420.587.805.191
 CustomerService.STB@robertshaw.com
 Customer Service (Americas) +1.800.304.6563

For Technical Service
 Telephone +1.800.445.8299
 TechnicalService@robertshaw.com

Ranco® is a trademark of Robertshaw, its subsidiaries and/or affiliated companies. All other brands mentioned may be the trademarks of their respective owners.

www.robertshaw.com
 ©2020 Robertshaw
 6/20 – 150-2770_En