



INSTALLATION DATA

8000 SERIES

SINGLE LEVEL PRESSURE SWITCHES

The Robertshaw® 8000 Series Single Level Pressure Switches will replace several models of Robertshaw switches used on sump pumps and other similar appliances. A typical application on a sump pump unit is shown at right. The switch operates as an automatic control device which turns the pump motor on when the water level rises and turns it off when the level falls.

ELECTRICAL RATING

15 Amps - 125-250V AC

1/2 H.P. - 125-250V AC

UL and CSA listed

INSTALLATION INSTRUCTIONS

1. Disconnect POWER SUPPLY.
2. Remove old switch and note terminal wiring before disconnecting leads.
3. Attach leads to new switch and install switch in operating position.

NOTE: Some applications require the switch to be submerged in liquid (sump pumps). A gasket is used to seal the terminal area from the liquid. When replacing this type switch use new neoprene gasket supplied with switch. Be certain gasket is located on same side of switch as old gasket.

4. Secure switch firmly in place and reassemble any other parts if their removal was required.

Figure 1 - Flat Opening

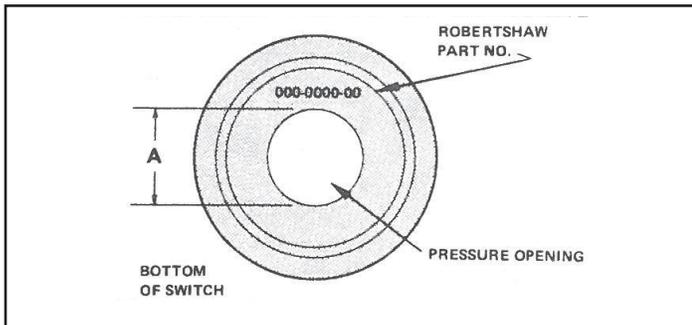
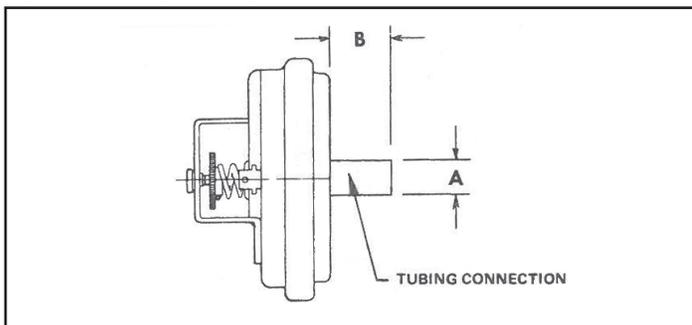


Figure 2 - Tubing Opening



CAUTION

THIS DEVICE SHOULD BE INSTALLED BY A QUALIFIED SERVICE TECHNICIAN WITH DUE REGARD FOR SAFETY AS IMPROPER INSTALLATION COULD RESULT IN A HAZARDOUS CONDITION.

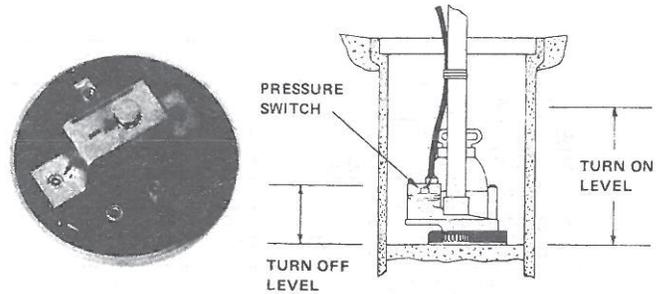


Figure 3 - Standard SPST

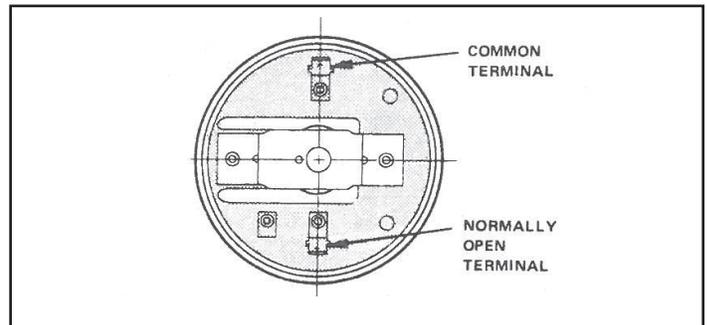


Figure 4 - SPST With Ground Terminal

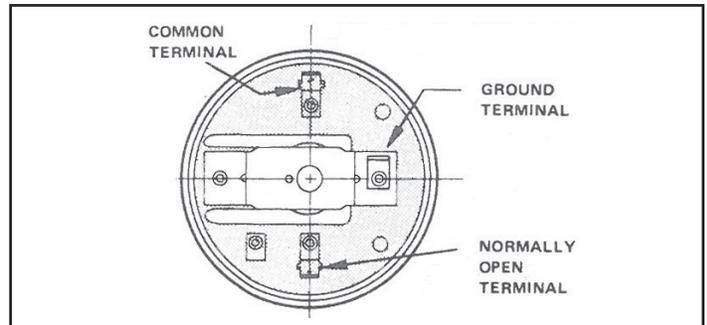
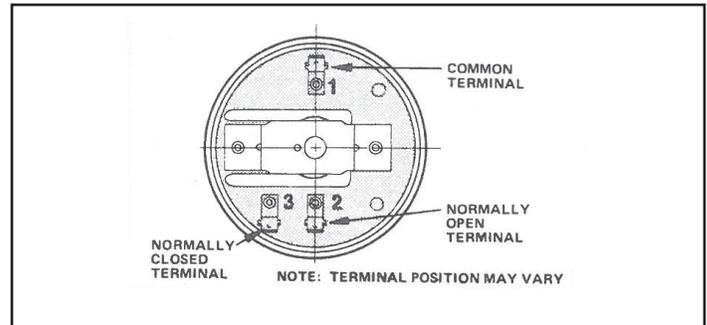
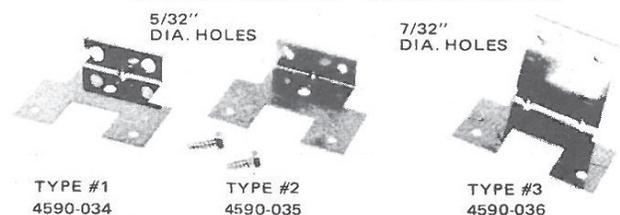


Figure 5 - Standard SPDT



MOUNTING BRACKETS – ORDER SEPARATELY



TYPE #1
4590-034

TYPE #2
4590-035

TYPE #3
4590-036

ORDERING INFORMATION

1. Locate FACTORY NUMBER which is usually stamped on the bottom of the switch. (See figure 1.)
2. Cross reference factory number to Uni-Line number in Functional Replacement Guide. If not listed, follow step 3.
3. Determine NUMBER OF TERMINALS and SWITCH ACTION. Refer to figures 3, 4, and 5.
4. Determine PRESSURE OPENING TYPE - tubing or wide mouth opening and approximate size opening figure 1 and 2.

5. Note turn on - turn off level setpoint if important to your application.
6. In the ordering charts below, models are grouped according to switch action and type of opening. Select a functional replacement from the appropriate chart.
7. If you cannot find a replacement on the charts, send full information to your Uni-Line wholesaler. It often helps to send in old control.

FLAT OPENING - SPST

Order Number	Factory Model Number	Turn "On" Level	Turn "Off" Level	Number of Terminals	"A" Dimension	"B" Dimension	Mounting Bracket Type	O.E.M. and Part Number
8000-001	606-0544-01	8.0"	2.0"	3	1-1/8"	N/A	None	
8000-002	606-0545-01	5.0"	1.5"	2	2-1/4"			
8000-003	606-0546-01	7.0"	1.5"	2	1/2"			Universal Electric 27P6A-1
8000-004	277-9602-01	12.0"	2.25"	2	1-1/8"			Marathon Electric A-7963-2
8000-010	606-0577-01	9.0"	2.25"	2	2-1/4"			
8000-011	606-0597-01	6.0"	1.5"	2	2-1/4"			Hydr-O-Matic Pump 5977
8000-042	606-0634-01	7.0"	1.5"	2	2-1/4"			Universal Electric 27P49

FLAT OPENING - SPDT

8000-040	606-0521-00	10.0"	2.0"	3	1-1/8"	N/A	None	Sta-Rite U217-199
8000-041	606-0613-00	10.0"	3.0"	3	1/2"			Thomas Beckett ZT136

TUBING OPENING - SPST

8000-008	606-0527-01	2.0"	1.0"	2	7/32"	7/8"	#3	Morse Inst. B43788
8000-020	277-9613-01	7.0"	1.5"	2	1/2"	5/8"		
8000-021	277-9563-01	5.0"	1.5"	2	7/32"	13/32"	None	
8000-022†	277-9554-01	8.0"	2.0"	3	7/32"	7/8"		Barnes MFG. 21319
8000-023	606-0560-01	1.8"	.5"	2	7/32"	13/32"		
8000-024	277-9539-00	8.0"	3.0"	3	7/32"	7/8"		
8000-025	606-0561-01	8.0"	2.0"	2	7/32"	7/8"		
8000-026	606-0557-01	10.5"	4.5"	2	7/32"	7/8"		Triangle Pump LA3
8000-027	606-0603-01	11.0"	1.5"	2	7/32"	7/8"		
8000-072	277-9683-01	5.0"	1.5"	2	7/32"	13/32"		
8000-080*	277-9556-02	1.0" to 3.0"	5.7"	2	1/2"	5/8"		Design and MFG. 81404-2

TUBING OPENING - SPDT

8000-007	606-0022-00	12.5"	3.8"	3	7/32"	57/64"	SPL.	Franklin Appl. C66917-D
8000-012	606-0007-00	9.5"	3.0"	3	7/32"	5/8"	**	Maytag 2-1754
8000-060	277-9545-00	5.2"	2.0"	3	1/2"	5/8"	None	
8000-061	277-9665-00	7.0"	1.5"	3	7/32"	13/32"	None	Penberthy MFG. D-1575
8000-062	606-0542-00	11.0"	2.0"	3	1/2"	5/8"	None	Penberthy MFG. 42030-002
8000-063	278-9564-00	3.0"	1.0" to 2.5"	3	7/32"	7/8"	#1	
8000-064	606-0501-00	8.4"	3.0"	3	7/32"	7/8"	SPL.	Whirlpool 94664
8000-065	278-9668-00	2.0"	.5"	3	1/2"	5/8"	None	
8000-066	277-9607-00	8.0"	1.0"	3	7/32"	7/8"	SPL.	York 25-11177B
8000-067	278-9667-00	1.9"	.5"	3	7/32"	13/32"	#3	Ametek 262-192-1
8000-068††	277-9540-02	5.3"	1.0"	3	1/2"	5/8"	None	Design and MFG. 81404-1
8000-069	277-9584-00	4.0"	2.0"	3	7/32"	7/8"	SPL.	York T-4726
8000-070	277-9675-00	4.15"	.5"	3	7/32"	13/32"	SPL.	
8000-071	606-0574-00	12.0"	6.0"	3	7/32"	7/8"	#1	Industrial Filter and Pump 42-0233
8000-073•	279-9632-00	5.5" to 12.0"	1.0" to 3.0"	3	7/32"	27/64"	SPL.	Ametek 262-718
8000-074	605-0559-00	7.0"	1.0"	3	1/2"	5/8"	#2	
8000-093•	279-9643-00	9.0" to 16.0"	1.5"	3	7/32"	13/32"	SPL.	

* Reverse acting

**Has three push buttons - lo, med & hi

† Has special .025 orifice in tube

†† Has special .035 orifice in tube

• Has .188" "D" stem - dial shaft adjustment



Customer Service Telephone 1.800.304.6563
 Customer Service Facsimile 1.800.426.0804
 HVACCustomerService@robertshaw.com

For Technical Service
 Telephone 1.800.445.8299
 Facsimile 1.630.260.7294
 TechnicalService@robertshaw.com

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