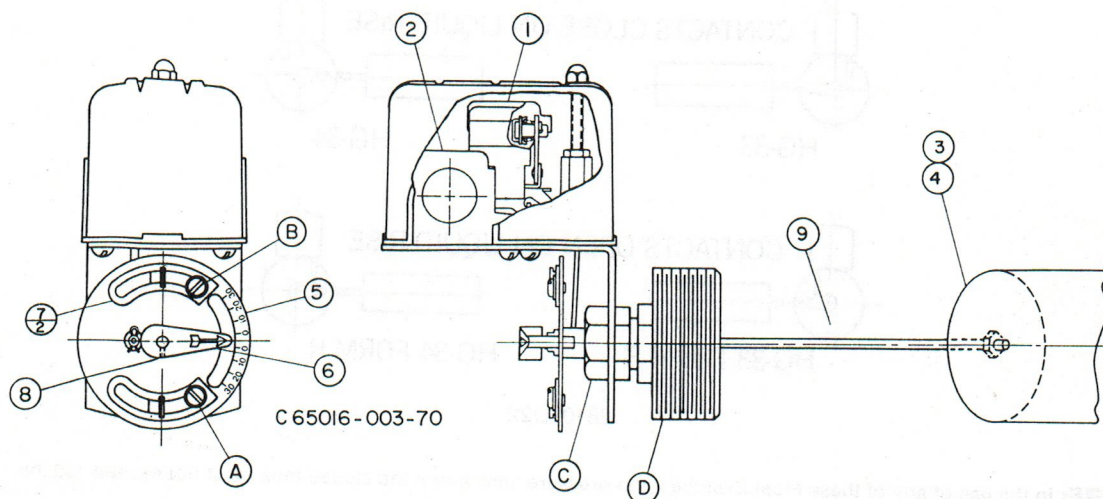




Class 9037 Type HG Series A FLOAT SWITCH



CAUTION: Switches are shipped with a bracket attached to the mounting plate. This bracket prevents the float and rod from moving in the tank during shipment. When installing the system, this clearly marked shipping bracket must be removed and discarded.

APPLICATIONS: For automatically controlling the liquid level in a closed tank by float movement.

MOUNTING: The Type HG Screw-in Tank Float Switches are mounted directly to the tank by means of the 2½" I.P.S. threaded fitting (D). Before screwing this fitting into the tank, loosen Nut (C) so that the fitting (D) is free to rotate in the switch bracket. Tighten the fitting (D) so that there will be no leak past the threads. Then revolve the switch case until it is horizontal and tighten Nut (C).

ENCLOSURE RATING: NEMA 1 ENCLOSURES ARE INTENDED FOR INDOOR USE PRIMARILY TO PROVIDE A DEGREE OF PROTECTION AGAINST CONTACT WITH THE ENCLOSED EQUIPMENT IN LOCATIONS WHERE UNUSUAL SERVICE CONDITIONS DO NOT EXIST.

WARNING: TO AVOID SHOCK HAZARD, DISCONNECT ALL POWER BEFORE INSTALLING OR SERVICING DEVICE.

ADJUSTMENTS: Switches are shipped from the factory set for a specified float travel. Reasonable adjustment of float travel can be made in the field by moving adjusting strips (7) which are held in place by Screws (A) and (B). Loosening Screw (B) and moving upper adjustment strip (7) will affect the upper limit of float travel only. Loosening Screw (A) and moving lower adjusting strip (7) will affect the lower limit of float travel.

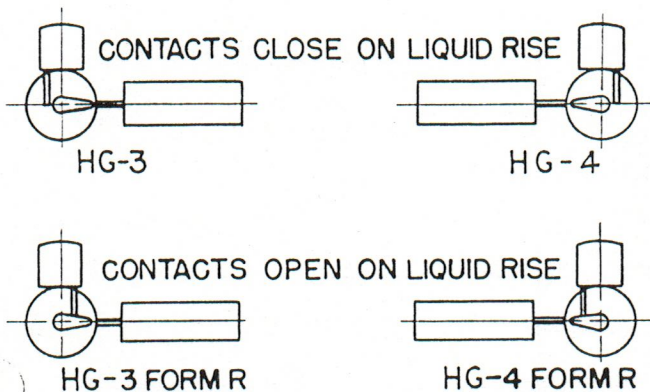
REPLACEMENT PARTS LIST

Item Number	Description	Number Req'd.	Part Number
1	Set of Movable and Stationary Contacts	2	9998 PC-242
2	Switch Mechanism*	1	65079-502-51
3	Float (304 SS)	1	9049 HF3
4	Float (316 SS)	1	9049 HF4
5	Adjusting Plate Assembly	1	2810-D7-G1
6	Operating Lever	1	65079-042-01
7	Adjusting Strip	2	2810-X8
8	Set Screw	1	21801-14080
9	45°	1	2810-C3-G9
9	90° Offset 3".....	1	2810-C3-G15
9	90° Offset 4¼".....	1	2810-C3-G19
9	90° Offset 5".....	1	2810-C3-G18
9	90° Offset 7".....	1	2810-C3-G6
—	Seal and Installation Kit (Buna-N)	1	9998 PC-337
—	Seal and Installation Kit (Viton)	1	9998 PC-338

*Orders for mechanisms must show class and type so nameplate on replacement can be correctly stamped.

Square D Floatswitches (9037-HG), used on many NASH TM PUMPS, can be adjusted to have the float on the right or on the left, to make contact (ON) on either liquid level rise or level drop, and to raise or lower the level at which the switch turns on or off, thus making the differential adjustable as well.

FLOAT & LINK POSITIONS



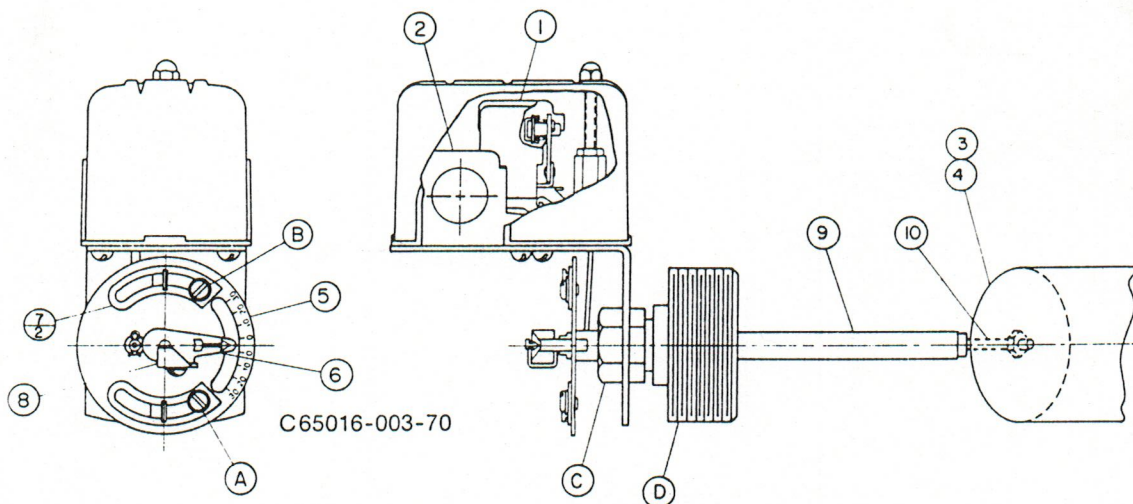
The switch has a shaft which rotates with the rise and fall of the float, which is offset from the center of rotation by 7½ inches. (Larger offsets are used on large condensate pumps.) A wheel or quadrant with two adjustable stops, pivots on the shaft, but is moved by a die cast arm (which is attached to the shaft), as it presses against the upper or lower stop.

A link connects the quadrant to the switch and can be installed in a position either to the right or the left of the center. Shifting the link from one side to the other reverses the action of the switch (on high level or on low level). With the link removed, the float can be swung to the other side (one half revolution). This reverses the action of the switch as well, so the link would have to be installed on the other side to keep the switch action the same.

The link is taken out by removing the small wire clip from the end that pivots in one of the two holes on the quadrant. This end can be slipped out of the hole, and if the link is rotated or twisted one quarter turn, it will slip down and out of the switch mechanism. The stops on the quadrant are loosened or locked with a screw driver and can be located in the curved slots to give a wide or narrow differential as well as to raise or lower the point where the float action will trip the switch.

PRESSURE: In the use of any of these Float Switches, the pressure limit within the closed tank must not exceed 50 lbs.

Class 9037 Type HG Series C FLOAT SWITCH



CAUTION: Switches are shipped with a bracket attached to the mounting plate. This bracket prevents the float and rod from moving in the tank during shipment. When installing the system, this clearly marked shipping bracket must be removed and discarded.