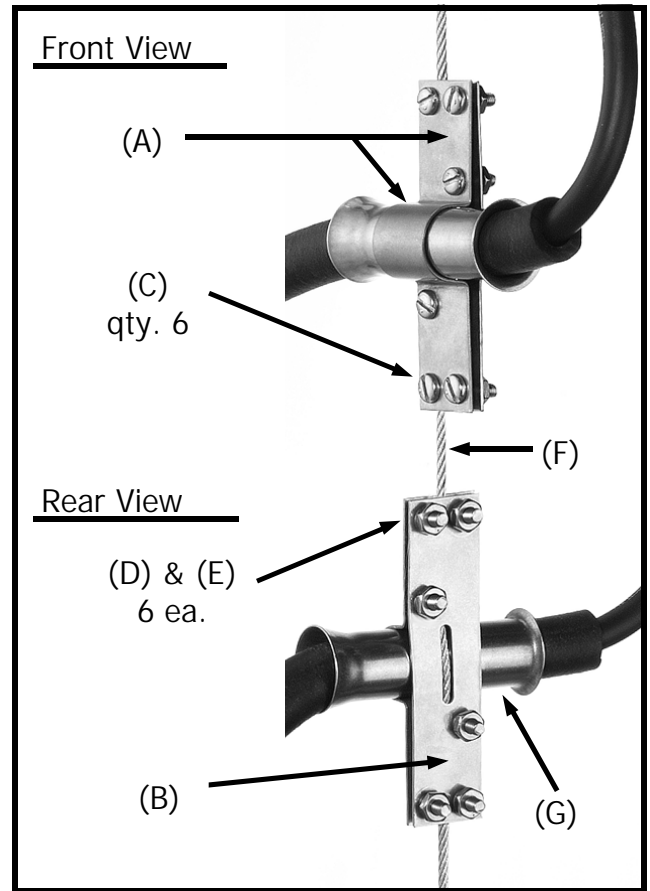


- 1) Connect the Cable & Anchor. String the 316 SS cable through the anchor's mounting eye and secure with two 316 SS mounting clamps. (Sold separately and not shown here.)
- 2) Position the Float Switches
 - a) Stretch the suspension cable (F) along the ground to allow easy measurement of each float's mounting position along the length of the cable.
 - b) Measure from the base of the anchor to each float switch mounting position. Mark each mounting position with tape. Lay each float across the cable at the marked position.
- 3) Fasten the floats
 - a) Hold the float "clamping tube" (G) in position at the tape.
 - b) Place the "U" shaped mounting plate (A) over the center of the clamping tube.
 - c) Place the flat mounting plate (B) behind the clamping tube and suspension cable. (When properly placed, this plate and the "U" plate will sandwich the cable and the clamping tube. The suspension cable runs the length of the flat plate on its centerline.)
 - d) Adjust the clamping tube so that its crimp is located over the suspension cable. (The slot in the flat mounting plate and the crimp in the clamping tube are to be aligned over the cable - they provide clearance space for the cable.)
 - e) Loosely fasten six screws, split washers and nuts into the six mounting holes.
 - f) Tighten the six screws onto the cable suspension assembly.
 - g) Tie wrap the float cables along the length of the suspension cable to prevent entanglement.
- 4) Create a loop at the top of the cable for connection to an upper support. Create the loop at an estimated correct height for the installation - following installation, adjust the loop to remove slack. Ensure that the clamps are tight and that the mounting connection is secure.
- 5) Install the entire assembly.
 - a) Attach the top loop of the suspension cable (created in step 4) to the upper support.
 - b) Lower the entire assembly into the sump pit.
- 6) Electrical connections: (the float switch has a single-pole/double throw switch)
 - a) White - Switch Common
 - b) Black - Normally Open (NO)
 - c) Red - Normally Closed (NC)
 - d) Green - Ground (of float body)
 - Connect the green conductor of each float to ground as required by the NEC.
 - Refer to the "Notes" section below.



PN 30021-0001-01 includes:

1 - "U" mounting plate	(A)
1 - flat mounting plate	(B)
6 - 1/2" 10-32 screws	(C)
6 - nuts	(D)
6 - split lock washers	(E)

(All components - 316 Stainless Steel)

Notes:

- 1** - Avoid installing the floats in any location with excessive turbulence or where the floats may rub against nearby hardware. Avoid installation near a pump intake where debris may wrap around the float to inhibit operation or increase abrasion of the float.
- 2** - Observe the functioning of the floats and control system through several pumping cycles to ensure proper installation.
- 3** - If the float is applied in a 120 or 240 VAC circuit, it should be isolated with an earth leakage circuit breaker.
- 4** - In all two-wire applications, insulate the end of the third (unused) conductor. (It is "hot" when the float switch is in the "non active" position.)
- 5** - Hazardous Applications: This float switch is classified as a simple device. It cannot contain stored energy. Therefore, it requires no certification for usage in hazardous locations when applied with an approved intrinsically safe barrier.