Guide and Manual for Installation of Pressure Switch

If you have Pressure Tank, you must adjustment the air pressure of your tank 2 psi less than minimum of pressure that you done adjustment for your Pressure Switch

(please attention the table for sample) .

Ignoring this important reminder and not adjusting the air pressure of the pressure tank, may cause issues in system

ATTN: The installation of this electric switch must be done by qualified and licensed persons to install electrical appliances

Switch Model	PSI Air Pressure in Tank
20-40	*18*
30-50	*28*
40-60	*38*
50-70	*48*
60-80	*58*
70-100	*68*

After checking the items announced above and installing the Pressure switch correctly on the pump or pipe, open the cover of Pressure switch and connect the pump wires as well as the network power wires, and ground wires as shown (make sure the wires retaining screws are tight)

After checking the correct Installing of the pump to the piping system and the controlled the one-way valve, as well as installing a pressure tank and pressure gauge, you can connect the mains plug to the socket of power network (note that the mains voltage must be the same as the required pump voltage)

Your pump turns on and then you must close the consumption valves after a few moments so that the pump can cut off the network power by pressing the necessary pressure.

Note: when the pressure goes up and the power cut, please attention the pressure from the manometer and write the pressure of cut. At this time, open one of the waters taps to reduce the pressure and the pump will start working.

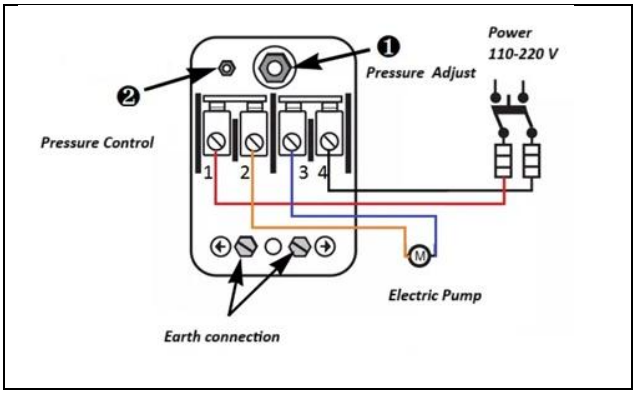
Note the pressure to restart the pump on the manometer, and write

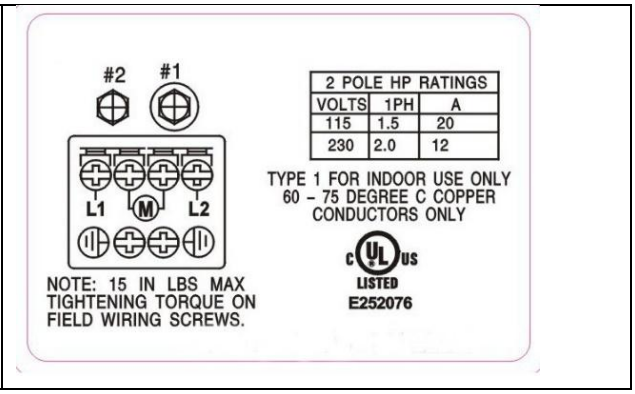
If these pressures are in accordance with your opinion, disconnect the plugs from the socket and close the Pressure cover, but if it is not according to your request, you can increase or decrease your desired pressure up to 20 psi.

Note the picture of the pressure adjusting screws. The long screw (1) is for increasing or decreasing the pump shut-off pressure. The short screw (2) is for adjusting the pump restart pressure

By turning the nut on the long screw in a clockwise direction, the spring is more compact, and the pump cut-off pressure increases, and if it is turned counterclockwise, the pump cut-off pressure decreases.

By turning the nut on the short screw in a clockwise direction, the spring is retracted and the pressure of restarting the pump increases, and if it is rotated counterclockwise, the pressure of restarting the pump decreases.





IMPORTANT NOTE:

If you need Remove the Existing Switch or change the Pressure Switch please attention to below

For remove :

1. Disconnect power supply.
2. Drain all water pressure from the system.
3. Remove existing wires from the pressure switch including the ground wires. *IMPORTANT* we suggest you make note of which wires are the power supply wires and the pump motor wires. This will help during the installation of the new switch.
4. Remove the old switch from the system.

Installation:

The pressure of the air in your tank MUST BE 2 PSI BELOW THE CUT-IN pressure OF YOUR NEW SWITCH (SEE TABLE A). Not making sure of this air pressure setting will cause the pump to stop and start too often and will eventually damage the pump.

1. Install the new switch on the system. Secure the new switch to the jet pump motor or position the switch on the piping for submersible pump system. (Use thread tape on pressure switch inlet to prevent leaks).
2. Remove the switch cover and feed wires from the pump motor and power supply through the openings on the either side of the switch.

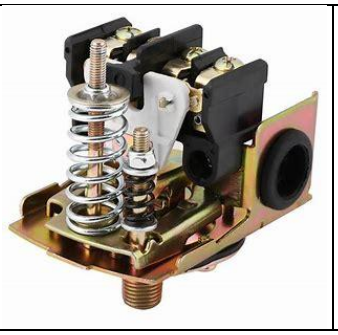
Check air pressure in your tank after draining the water. Look for the air valve on the upper part of the tank

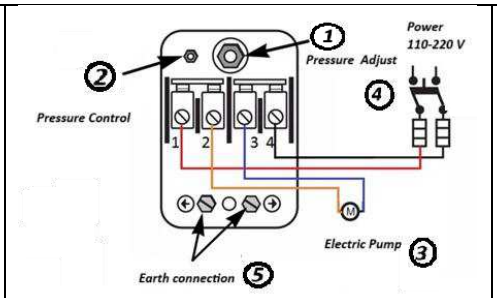
3. Attach motor wires to the terminals marked “LOAD” or “2 and 3” terminals. Attach the ground wire to the Green Ground Screw.
4. Attach power supply wires to the terminals marked “LINE” or “1 and 4” terminals. Attach the ground wire to the Green Ground screw.
5. For safety, the switch must be grounded by direct metal to metal contact. Motor must be grounded to conform to local electrical codes. CONSULT A LICENSED ELECTRICIAN.
6. Re-install switch cover and test the system several cycles for proper operation.

Cut-in pressure: Pressure when pump turns on

Cut-off pressure: Pressure when pump turns off

****NOTE** To start your pump using a low-level pressure switch, you must hold the lever in the start position until the pump has reached the required cut-in pressure. This means your pressure must reach 30 psi before you can release the lever into the automatic position. Failure to follow this step will cause the pump to not work properly.**





(#1) Power Supply Terminal “line”
(#2) Motor Terminal “Load”
(#3) Motor Terminal “Load”
(#4) Power Supply Terminal “Line”
(#5)Green Ground Screws

(A) Small Spring this screw only adjusts the cut-cut setting
(B) Large Spring this spring adjusts both cut in and out together. Each full clockwise turn of the screw equals approximately on increase of 3 PSI. Each full counter clockwise turn of the screw equals approximately a decrease of 3 PSI.