

# Model HC6000

## Electronic Hi-Lo Pump Switch

Patents Pending

### Special Sensor Installation Instructions

#### Overview

When the HC6000 Hi-Lo Pump Switch is going to be used in a pit that has high mineral or iron content, such as the discharge from a water softener, the sensors have to be mounted in a specific manner so they won't be affected by the water content and will reliably detect water levels for many years of trouble free operation.

#### Step 1

To install the sensors properly for this type of water environment, you will need a few additional items from the hardware store:

1. 1/2" PVC pipe. The length of the pipe should be suitable for your application
2. 1/2" PVC "Cross"
3. 1 1/2" Stainless Steel Hose Clamp
4. 2 1/4" SS Hose Clamp for 1.5" discharge pipe, 3" SS Hose Clamp for 2" discharge pipe

#### Step 2

The next step is to pass the 1 1/2" Hose Clamp through one side of the PVC Cross, and pass the 2 1/4" Hose Clamp through the other side of the PVC Cross. Refer to picture to the right for this step.

#### Step 3

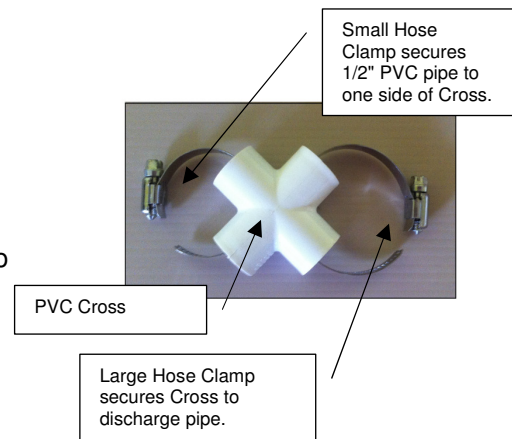
Next, strap the 2 HC6000 sensors to the 1/2" PVC pipe with the tie-wraps provided, positioning one sensor to set the level where the pump is to turn on, the other sensor positioned where the pump is to turn off.

#### Step 4

Next, position the 1/2" PVC pipe between the small hose clamp and the PVC Cross. Tighten the hose clamp until the 1/2" PVC pipe is held snugly against the PVC Cross.

#### Step 5

Then, position the PVC Cross at the desired height in the pit, wrap the large hose clamp around the discharge pipe, and tighten it until the PVC Cross is held firmly in place against the discharge pipe.



After completing Step 5 above, your setup should look something like the picture below.

