5 Probe Pump In Liquid Level Controller
Model: 5PIN120/31"

This unit is 120vac only on the black & red wires to the electronics.

- 5 Probe liquid level inputs:
    1. Green Probe - the reference probe, the longest probe, should always be submerged.
    2. White Probe - closes the MOSFET contact when not covered with liquid to energize a relay or solenoid, and is cut above green probe. This probe has a 6 second delay before changing states.
    3. Black Probe = Opens MOSFET contact when covered to de-energize a relay or solenoid & is cut above the white probe. This probe also has a 6 second delay before changing states.
       The liquid level will stay between the white & black probes. The white probe turns on the make-up fill, and the black probe turns off the make-up fill. Cut the white and black probes at a distance apart that you want the liquid level to stay between. The liquid level will stay between the white and black probes.
    4. Yellow Probe, an auxiliary, can be cut above or below normal liquid level depending on customer needs. This probe has a 6 second delay before changing states.
    5. Red Probe, an auxiliary, can be cut above or below normal liquid level depending on customer needs. This probe has a 6 second delay on the yellow with black stripe wire output, and a 20 second delay on the blue with black stripe wire output.

- Wiring: **Turn power off!**
    - Black Wire = Hot = 120vac supply for the electronics (1amp fuse).
    - Red Wire = Neutral = 120vac return for the electronics.
    - Orange Wire = Hot = **Input** = 0 to 120vac or dc input to the MOSFET contact (**3amp fuse**) for the white and black probes..
    - Blue Wire = Hot = **Output** = 0 to 120vac or dc whatever the orange wire is supplying and goes to your load a relay or solenoid for **pumping in**. White and black probe controlled output.
    - Yellow Wire = Hot = **Output** = 0 to 120vac or dc whatever the brown wire is supplying and goes to your load an alarm, buzzer or light.
    - Brown Wire = Hot = **Input** = 0 to 120vac or dc input to the MOSFET contact (**3amp fuse**). Common to yellow & red/black wires.
    - Red/Black Wire = Hot = **Output** = 0 to 120vac or dc whatever the brown wire is supplying and goes to your load an alarm, buzzer or light.
    - Yellow/Black wire = Hot = **Output** = 0 to 120vac or dc whatever the orange/black wire is supplying and goes to your load an alarm, buzzer or light.

- Orange/Black wire = Hot = **Input** = 0 to 120vac or dc input to the MOSFET contact (**3amp fuse**). Common to yellow/black & blue/black wires.
- Blue/Black wire = Hot = **Output** = 0 to 120vac or dc whatever the orange/black wire is supplying and goes to your load an alarm, buzzer or light. This output has a 20 second delay.

IMPORTANT do not operate hot. Be sure to fuse inputs before applying power. A MOSFET that accidentally gets shorted with a voltage applied will blow apart making it inoperable and voiding the warranty.

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5 Probe Wiring Diagram