

# 4 - Probe Pump In Liquid Level Controller

## Model: 4PIN120/30"

**This unit is 120vac only on the black & red wires to the electronics other voltages are available please call for this option.**

- 4 Probe liquid level inputs:
  1. Green Probe = Reference probe is always the longest probe and should always be submerged.
  2. White Probe = Closes MOSFET contact to energize a relay or solenoid & is cut above green probe. This probe has a 6 second delay before changing states.
  3. Black Probe = Opens MOSFET contact to de-energize a relay or solenoid & is cut above the white probe. This probe also has a 6 second delay before changing states.

**Liquid level stays between 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 level will stay between these two probes.**
  4. Yellow Probe = Auxiliary, can be cut above or below normal liquid level depending on customer needs. This probe has a 6 second delay before changing states.
  
- 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 = 0 to 120vac or dc input to the MOSFET contact (3amp fuse).
  - Blue Wire = Hot = 0 to 120vac or dc whatever the orange wire is supplying and goes to your load a relay or solenoid.
  - Brown Wire = Hot = 0 to 120vac or dc input to the MOSFET contact (3amp fuse). Common to yellow & red/black wires.
  - Yellow Wire = Hot = 0 to 120vac or dc whatever the brown wire is supplying and goes to your load an alarm, buzzer or light.
  - Red/Black Wire = Hot = 0 to 120vac or dc whatever the brown wire is supplying and goes to your load an alarm, buzzer or light.

**IMPORTANT** do not operate hot be sure to fuse outputs 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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# Wiring Diagram

