

LC3-PF LEVEL CONTROLLER

1. GENERAL

- The LC3 level controller includes adjustable level sensors with 3 float switches and includes an overflow alarm.
- A 15A relay included switches power to turn on pumps or solenoid valves.

2. INSTALLATION

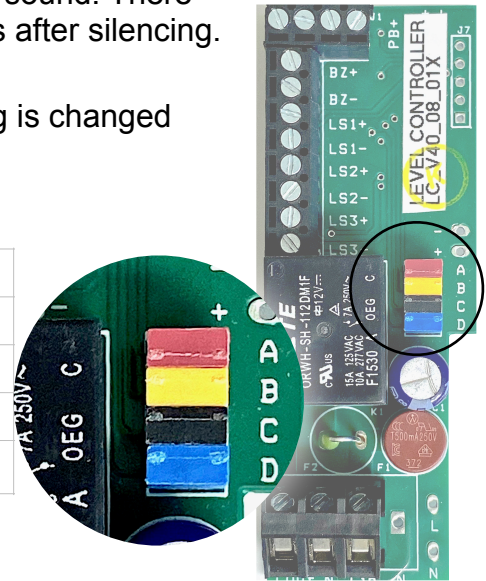
- The unit is shipped pre-programmed so it either fills tanks, or empties. In filling operation, the bottom-most floats control the liquid level, while the top float causes an emergency overflow alarm. Its a good idea to test it on a bench to verify.
- The level sensor probe is mounted on the tank using the mounting apparatus provided. (threaded plug, flat plate etc.)
- Adjust the level probe(s) to the desired level. If more cable length is needed to do so, there is some extra length stored in the longer float pipe which can be pulled out by loosening the cord grip.
- The green stack light indicates when the level is being adjusted. The red stack light is the overflow alarm and energizes at the same time as the buzzer. the pushbutton indicates power is present.
- PUSH BUTTON • During an alarm condition, the push button silences the buzzer, while the red light continues until the level is corrected. When there is no alarm, (level is between the floats) the button will toggle the output.
- The third “emergency” float switch causes an alarm. In addition, it also shuts off the relay independently of the “STOP FILL” float in order to prevent overflow.



3. BEHAVIOR OPTIONS

- In the case of a high level condition the alarm will sound. There is a choice to have the alarm repeat in 30 minutes after silencing. This is chosen with jumper **B**.
- The choice between tank filling and tank emptying is changed using jumper **C** on the PCB.

JUMPER	ON PINS (DEFAULT)	OFF PINS
A	NOT USED	
B	SNOOZE ALARM	DISABLED
C	TANK FILLING	TANK EMPTYING
D	BUZZER CONTINUOUS	BUZZER 4s EVERY 10 MINS



4. OTHER POINTS

- The floats are protected inside “float guards”. These can be loosened to inspect or clean the floats if necessary.
- The enclosure and float switches are waterproof. However the electrical plug is not.
- The relay will support a 15A load. (1/2HP)