

# MODEL L-8

L-8N, L-8R, L-8CR

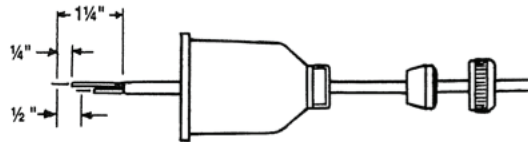
HARWIL CORPORATION

541 KINETIC DRIVE, OXNARD, CA 93030  
TEL: (805) 988-6800

## ELECTRICAL WIRING

Model L-8 is supplied with a strain relief cable fitting for use with round or plastic jacketed power cable.

1. Remove strain relief nut, grommet, and cover.
2. Strip the outer jacket of the cord back approximately  $1\frac{1}{4}$ " , stagger  $\frac{1}{2}$ " , and strip leads  $\frac{1}{4}$ " .



3. Remove slip-on connectors from microswitch and crimp or solder to the leads.
4. Feed the cable through the strain relief nut, grommet, and cover.

NOTE: Check match of outside diameter of cable with inside diameter of grommet. No more than 0.20" of play should be evident.

5. Apply slip-on connectors to appropriate terminals of the microswitch. Slide the cover down the cable and fasten it to the body with four screws. Slide the grommet down the cable until the small end is level with the outer jacket. Push the grommet into the tapered hole of the cover, hold the jacket to prevent rotation, and tighten the strain relief nut firmly.

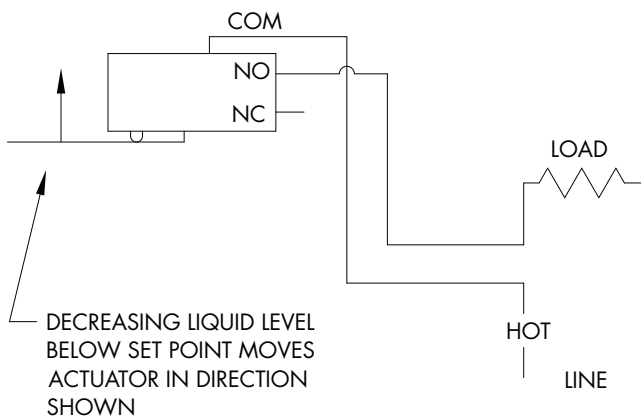
### Model L-8 supplied with "F" Cover

"F" Cover allows the use of standard  $\frac{1}{2}$ " electrical connectors to suit flexible conduits, such as Sealflex, plastic Spiraduct, etc. Attach slip-on connectors to leads and appropriate terminals of microswitch and complete wiring to electrical code.

Microswitch activation may be monitored by an audible click or with an ohmmeter prior to connecting line power to the switch terminals, or by monitoring the voltage supplied to the load through the microswitch.

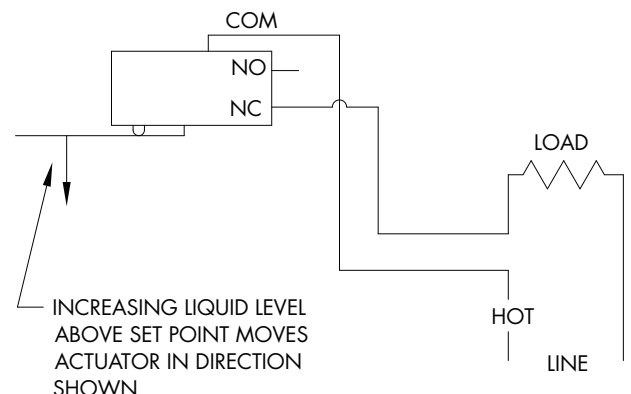
**Fig 1:** Wiring schematic for power applied to load when liquid level is less than set point (power to load interrupted when level increases to above set point).

Decreasing liquid level moves actuator in direction shown.



**Fig 2:** Wiring schematic for power applied to load when liquid level is greater than set point (power to load interrupted when level decreases to below set point).

Increasing liquid level moves actuator in direction shown.



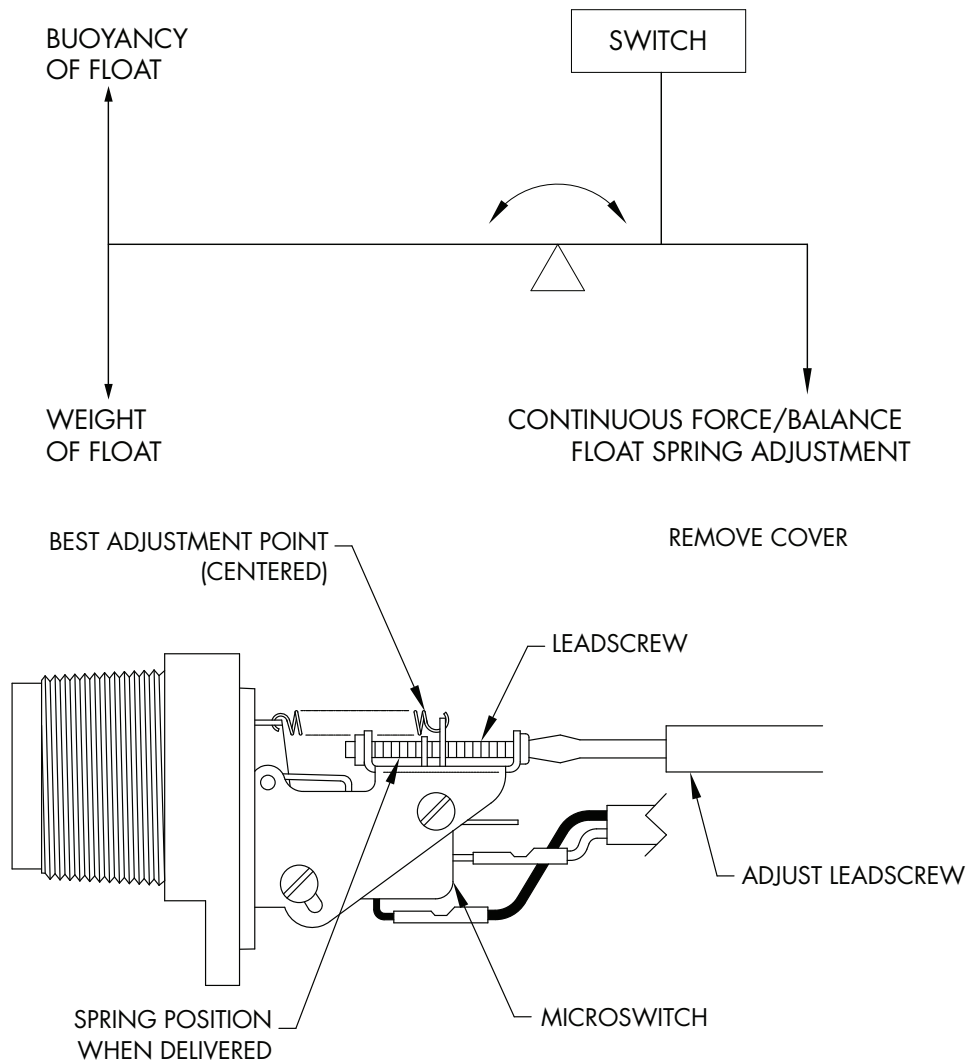
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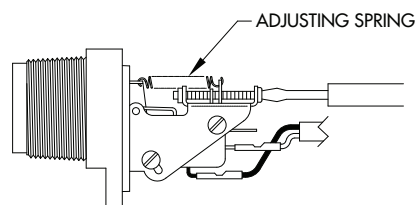
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Model L-8 liquid level switch is provided with a continuous adjustable float buoyancy control to allow use in fluids with specific gravity down to 0.6.



## SWITCH POINT ADJUSTMENT

1. Remove cover.
2. All units are delivered with the spring in the fully relaxed condition (A), which corresponds to the maximum specific fluid condition.



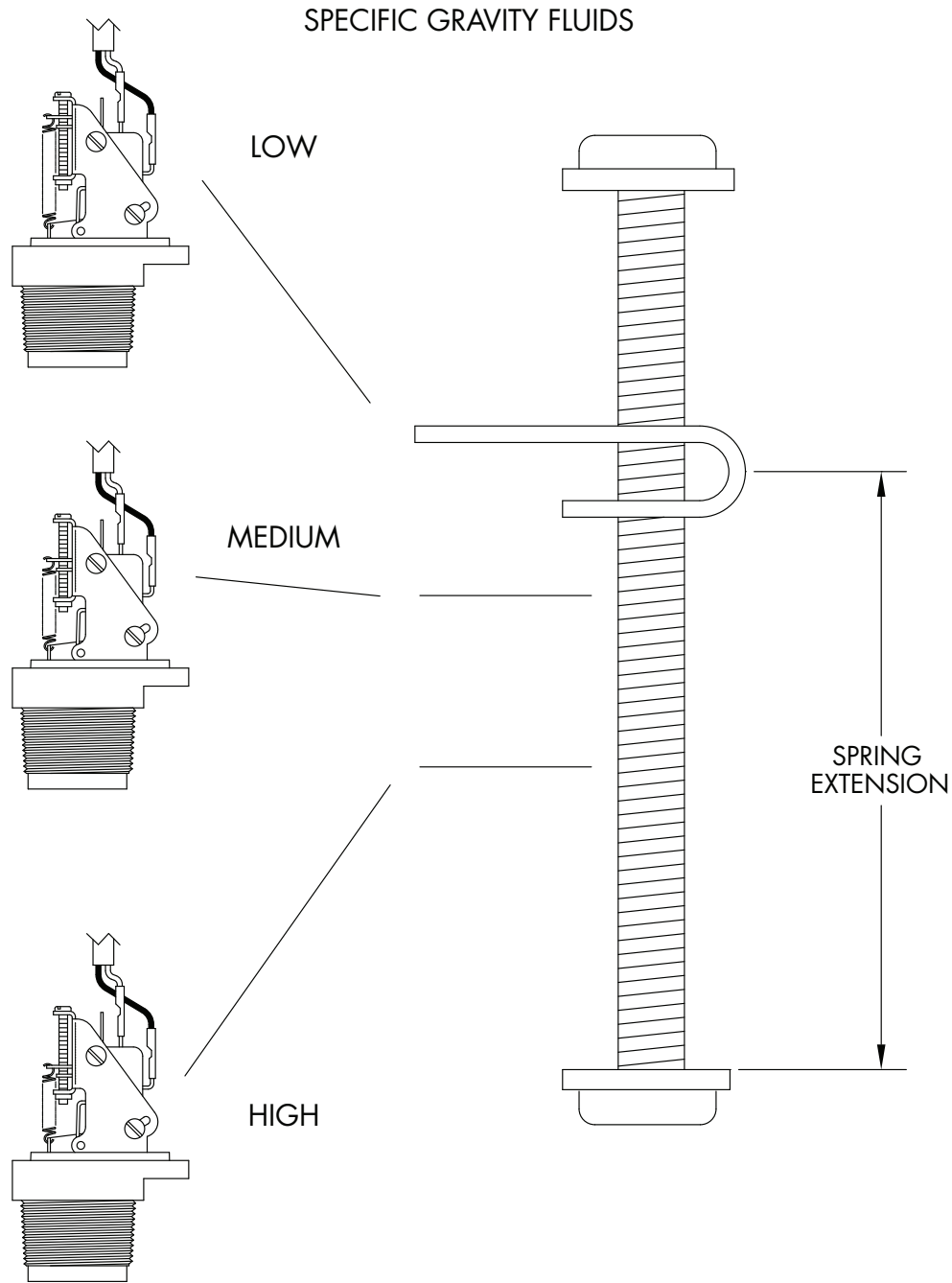
3. Insert blade type screw driver in the slotted end of the adjusting screw and turn it in a clockwise direction. This extends the length of the adjusting spring, which in turn adjusts the float net effective buoyancy to respond to lower specific gravity fluids.

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Microswitch actuation point may be monitored during the adjustment procedure detailed in (2 and 3) above by an audible click or with an ohmmeter before connecting line power to the terminal strip, or by monitoring the voltage supplied to the load through the microswitch.