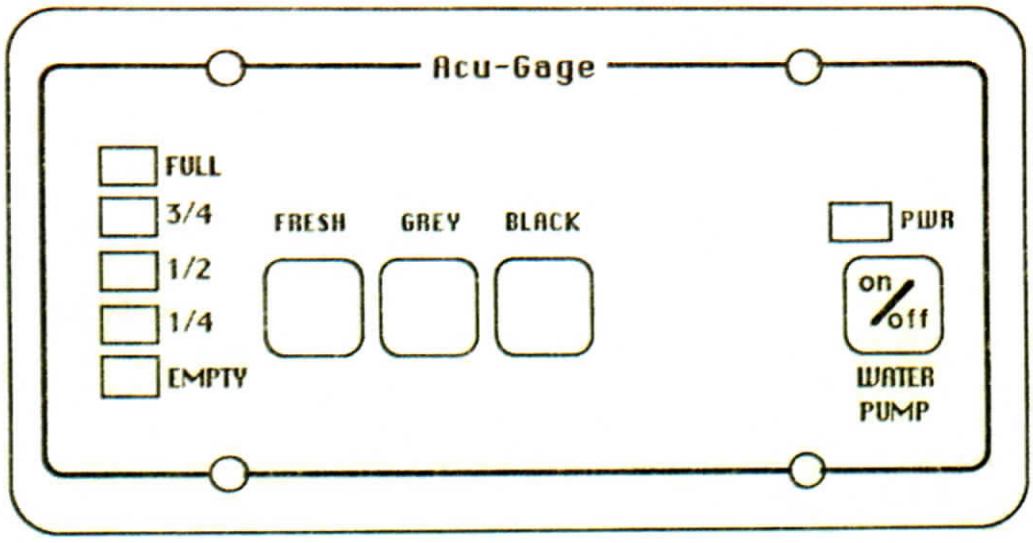
Acu-Gage NC-1
Monitor Panel



Model #251

A revolutionary system for measuring liquid levels... A system that dosen't cut holes in your tanks...

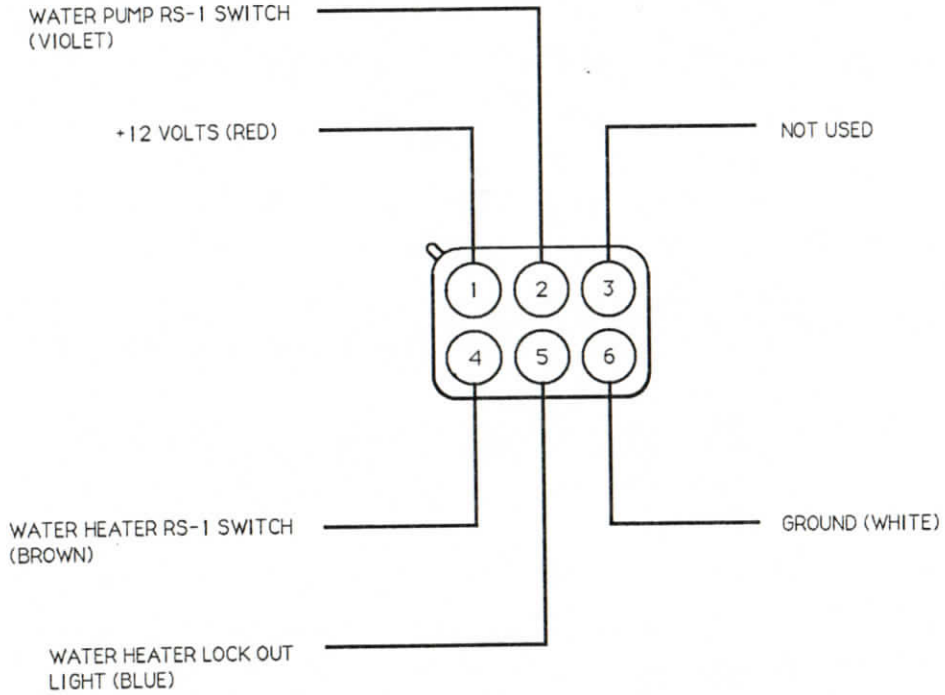
- **Measures level of fresh plus two holding tanks**
- **Measures any liquid with a water base**
- **NO PROBES, NO HOLES, NO LEAKS !!!**
- **No tank calibration required**

Acu-Gage electronically senses the amount of liquid in plastic tanks using aluminum foil sensors attached to the ***outside*** surface of the tanks. **Acu-Gage** can measure distilled water as easily as saltly or contaminated water. **Acu-Gage** can reliably measure water with high levels of solid debris because there are no sensing elements inside the tank to clog or hang up. Film build up on tank walls that short out probe type systems does not affect **Acu-Gage**.

How it works: A copper foil driver pad transmits an electronic signal through the tank walls into the water. The signal is then received by four aluminum sensor fingers. As the water level reaches a given finger , it's corresponding light turns on.

Larson Electronic Mfg.

261 E. Imperial Hwy. Ste. 550 Fullerton, CA 92635 1-800-456-4498



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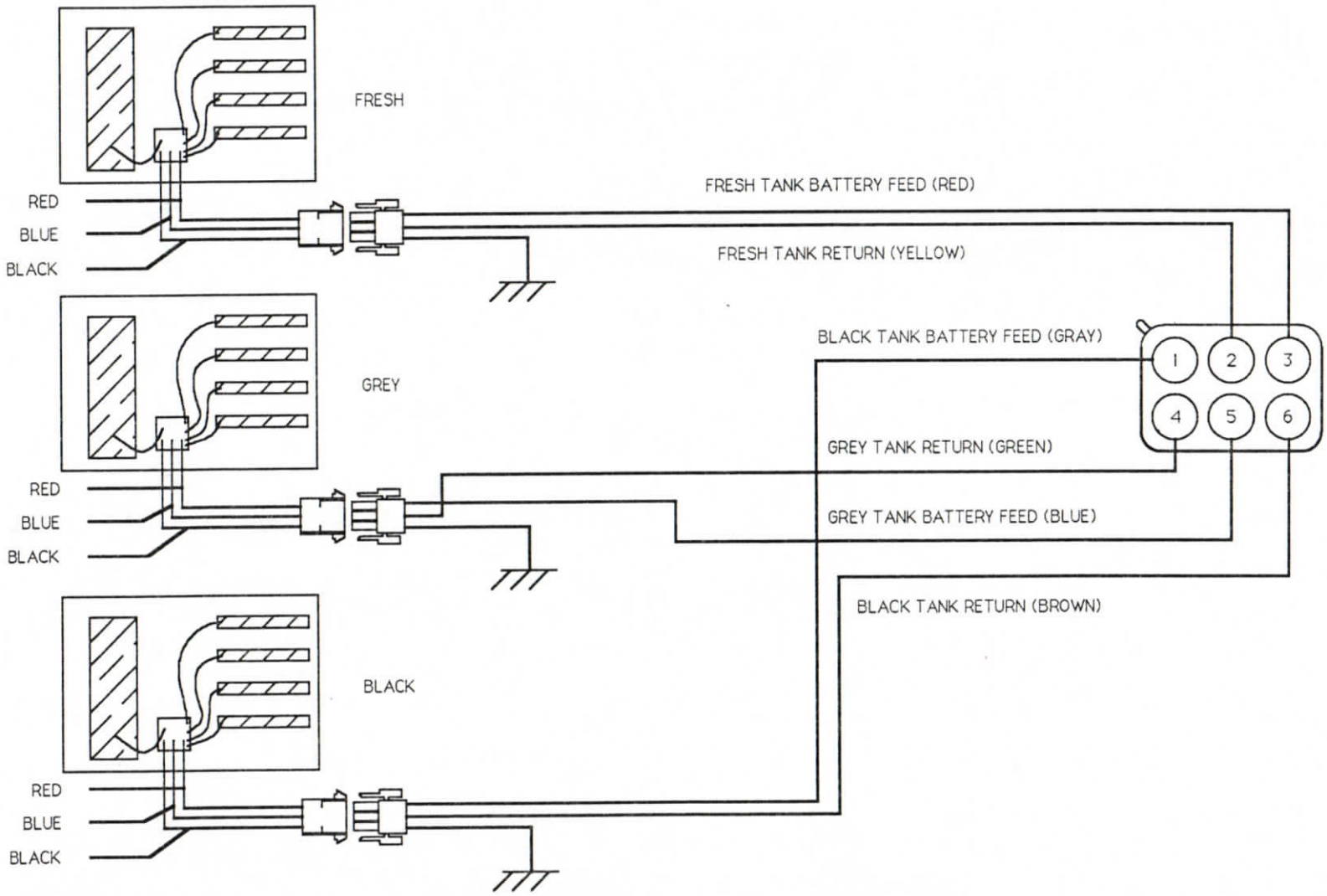
DATE: 05/24/93		REVISED:
TITLE: NC-1 MODEL 16611251 AUXILLIARY PLUG		PG:2 OF 2



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DATE: 05/24/93		REVISED:
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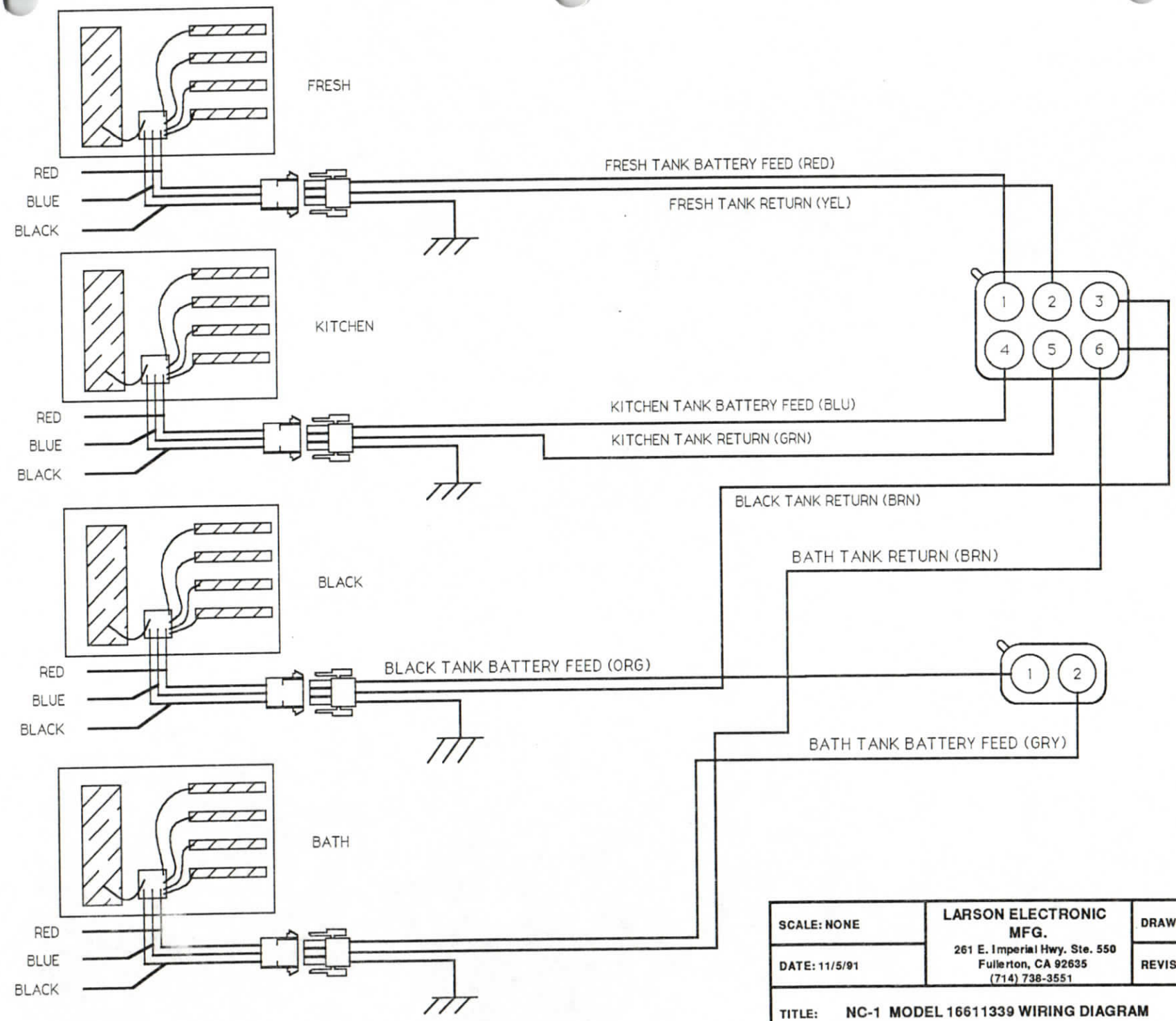

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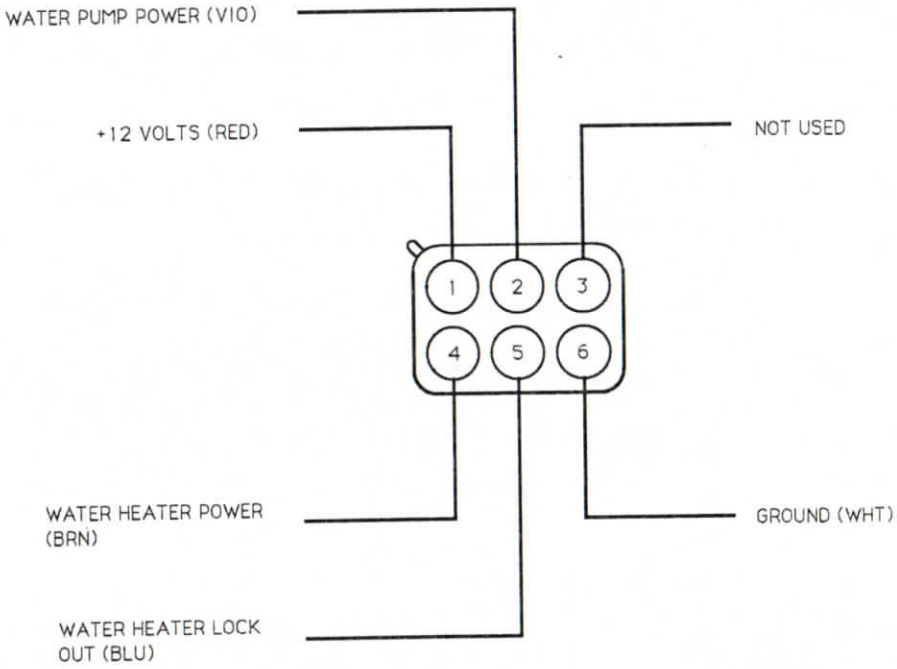
DATE: 11/5/91		REVISED: 02/15/93
TITLE: NC-1 MODEL 16611339 WIRING DIAGRAM		PG:1 OF 2



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DATE: 11/5/91		REVISED: 02/15/93
TITLE: NC-1 MODEL 16611339 AUXILLIARY PLUG		PG:2 OF 2

TEST PROCEDURE FOR NC1 MODULES

(HRC 15400-456, WITH CONNECTOR)
(TETON NC1 MODULE)
JULY 8, 1992

1. SET POWER SUPPLY 12.0 VOLTS

2. CONNECT DIGITAL VOLT METER TO THE BLUE WIRE AND TO "GROUND"

3. CONNECT THE POWER SUPPLY "GROUND" TO THE BLACK WIRE AND THE 12 VOLTS TO THE RED WIRE

4. SHORT THE "SENSOR" WIRES ONE AT A TIME TO THE WHITE WIRE, THE METER SHOULD READ AT OR BETWEEN THE FOLLOWING VOLTAGES:

1/4 FULL	6.7 TO 7.4
1/2 FULL	4.7 TO 5.4
3/4 FULL	2.7 TO 3.4
FULL	0.0 TO 0.3

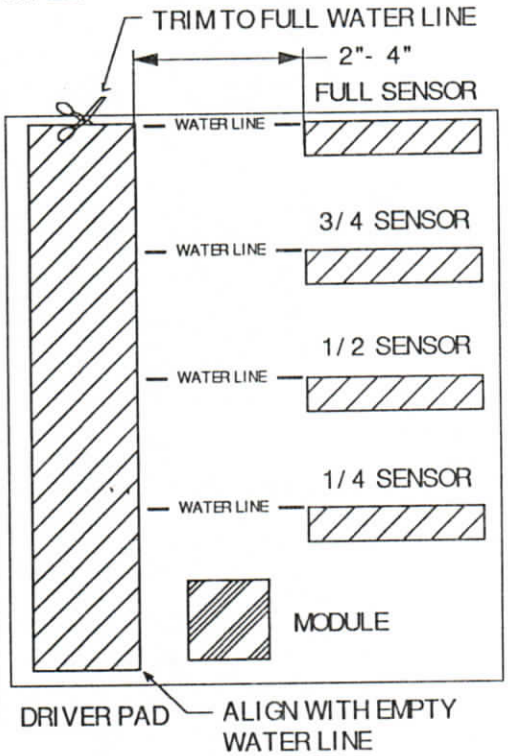
NOTE: THESE VALUES APPLY TO POTTED AND UN-POTTED MODULES.
NOTIFY ENGINEERING OF ANY FAILURES DUE TO VOLTAGE MEASUREMENTS

THIS END UP

LARSON ELECTRONICS
MODEL NC1 SENSOR MODULE

INSTALLATION INSTRUCTIONS:

1. MAKE SURE TANK SURFACE IS CLEAN AND DRY.
2. APPLY BASE GLUE 3M#4693 OR EQUIV.
3. LOCATE AND MARK 1/4 ,1/2,3/4, AND FULL LEVELS ON TANK.
4. APPLY MODULE AS SHOWN BELOW.
5. APPLY DRIVER PAD VERTICALLY AS SHOWN, TRIM TO TOP OF TANK. DO NOT CUT AND EXTEND DRIVER WIRE.
6. APPLY SENSOR PADS LEVEL WITH WATER LINE BETWEEN 2"- 4" FROM DRIVER PAD. DO NOT CUT AND EXTEND SENSOR WIRES.
7. CONNECT RED, BLUE, AND BLACK WIRES.



TEST INSRUCTIONS:

1. DISCONNECT RED,BLUE AND BLACK WIRES FROM VEHICLE.
2. USE 12V BATTERY, CONNECT + TO RED AND - TO BLACK.
3. USE VOLTMETER, CONNECT POS. LEAD TO BLUE, NEG. LEAD TO BLACK.
4. BRIDGE BETWEEN DRIVER PAD AND SENSOR STRIPS WITH FINGERS OR 50pF CAPACITOR.
5. VOLTAGE LEVELS ON BLUE WIRE SHOULD BE:EMPTY - GREATER THAN+8V
   1/4 - +6V TO +8V
   1/2 - +4 TO +6V
   3/4 - +2V TO +4V
   FULL - LESS THAN +2V

THIS END UP

LARSON ELECTRONICS
MODEL NC1 SENSOR MODULE

INSTALLATION INSTRUCTIONS:

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2. APPLY BASE GLUE 3M#4693 OR EQUIV.
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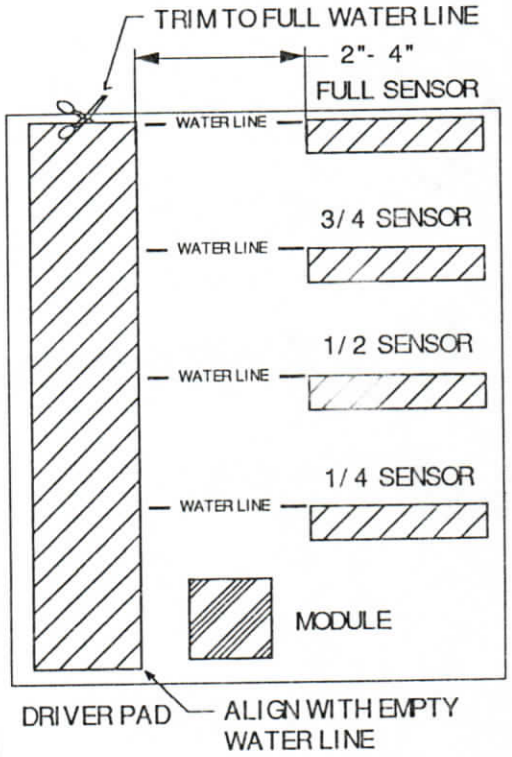

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   3/4 - +2V TO +4V
   FULL - LESS THAN +2V