



# LaMARCHE®

## ELECTRONIC VOLTAGE SENSING RELAYS (ERHL)-OPTION 03M

- **THE ERHL IS A COMBINATION HIGH VOLTAGE AND LOW VOLTAGE D.C. SENSING RELAY**

In the low voltage mode, a relay with one normally open and one normally closed form "C" contact will de-energize 10 seconds after a preset dropout point is reached (2 Vpc lead acid or 1.3 Vpc nickel cadmium, unless specified otherwise by customer). The relay will re-energize at approximately 1-2% above this set point.

In the high voltage mode, a relay with a single set of form "C" contacts will energize 10 seconds after a preset high voltage level is reached (2.4 Vpc lead acid or 1.65 Vpc nickel cadmium, unless specified otherwise by customer). The relay will de-energize at approximately 1-2% lower than this set point.

To reset the low voltage alarm on the ERHL, apply the correct low voltage to terminals 1 (+) and 8 (-). Adjust the low voltage pot counterclockwise until the LED-1 light goes off. Turn the pot back clockwise until the LED-1 light turns on. After a 10 second time delay, the low voltage contacts will transfer. A low voltage condition is indicated when the LED-1 light is on. The contacts for the low voltage alarm are labeled 2,3 and 4 on the circuit board.

To reset the high voltage alarm on the ERHL, apply the correct high voltage to terminals 1(+) and 8 (-). Adjust the high voltage pot clockwise until the LED 2 light goes out. Turn the pot back counterclockwise until the light turns on. After a 10 second time delay, the high voltage contacts will transfer. A high voltage condition is indicated, when the LED-2 light is on. The contacts for the high voltage alarm are labeled 5, 6, and 7 on the circuit board. The same procedure can be used to reset the ERTL and ERTH.

NOTE: THE ABOVE VALUES ARE THE STANDARD FACTORY SETTINGS. IF ORDER OR CUSTOMER SPECIFICATIONS DIFFER, THE FACTORY WILL SET AS SPECIFIED.

ECN/DATE

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