

# ELECTRO INDUSTRIES - FIELD SERVICE BULLETIN

Bulletin Number 1094 Date February 2, 2006

Product Name WarmFlo – Interface Module – HP Stat

Affected Product Model Numbers: WF-LGR4

Serial # 1 through Current

ARL # \_\_\_\_\_ through \_\_\_\_\_

Production Date \_\_\_\_\_

## FIELD INFORMATION

*This only relates to HI-heating RV logic installation.*

### **Background**

The new WF-LGR4 includes a peg jumper arrangement to select RV logic relating to the specific outdoor unit installed. When combining roomstat emergency wire with products having RV logic high for heating, and the roomstat drops the B output when in emergency, the LGR4 loses the roomstat O terminal input and thinks it is now changed to cooling. Since it puts itself in the cooling mode (cool LED on) it interrupts all heating functions and thus the emergency input has no value.

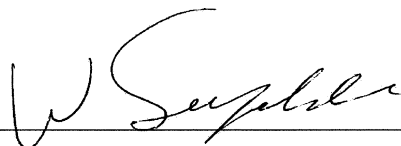
**This only relates to specific application combination – RV logic heating HI, emergency wire hooked up, specific thermostat drops B.**

### **Recommendation**

Until the next upgrade of the LGR4 board, it seems the only solution is to add a relay between the HP terminal block and the outdoor unit.

1. Setup roomstat for the normal RV logic HI for cooling and use “O” output terminal.
2. Connect roomstat O to stat terminal block O.
3. Set the LGR4 jumper to HI for cooling.
4. Add the coil of a 24-volt relay to the HP RV (O) screw terminal. The other end of the coil goes to common.
5. Use a set of normally closed contacts between R voltage and the actual heat pump unit “O” or reversing valve wire.

The goal for WF-LGR4 upgrade is mid-summer 2006.

Approval  Date 2-2-06