

# ELECTRO INDUSTRIES - FIELD SERVICE BULLETIN

Bulletin Number 1112 Date July 14, 2008

Product Name Electro-Boiler, Zone Controller

Affected Product Model Numbers: EB-ZTA-1 and EB-ZTS-1

Serial # \_\_\_\_\_ through \_\_\_\_\_

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

Production Date \_\_\_\_\_ Start \_\_\_\_\_ through 7-14-08

## FIELD INFORMATION

### **Sequence Condition**

1. Priority switch on.
2. 4-wire zone valves with zone valve end switch connected to end switch tabs (ZTA-1) or terminals 3 and 4 (ZTS-1).
3. Zone 1, priority, is continuously on beyond the 60-minute timeout (or 4-hour if special extended chip).
4. Stats from zone 2, 3, or 4 have a call, attempting to activate after the 60-minute timeout.

### **Issue**

Because zone valve outputs for zone 2, 3, 4 are interrupted with the priority switch on and zone 1 active; there is no way for the zone controller board to detect the end switch because there is a "chicken and the egg" situation. Thus priority 1 continues for another 60 minutes and zone 2, 3, 4 cannot interrupt.

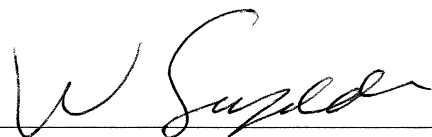
### **Solution**

Software update provides an internal "sequence evaluation" at the end of the 60 minutes to discern whether there is a zone 2, 3, 4 call. There is a momentary release of the disabling function which allows these secondary zones to indeed interrupt and now cause the system to go back to zone 2, 3, 4 operation with normal boiler temperature output.

This update is effective as of the date above and can be identified by:

- EB-ZTA-1 Version 3.35, 07-14-08
- EB-ZTS-1 Version 3.23, 07-14-08
- EB-ZTA-A (4-hour priority) Version 3.36, 07-14-08

Approval



Date

7-15-08