

# ELECTRO INDUSTRIES - FIELD SERVICE BULLETIN

Bulletin Number 1096 Date April 10, 2006

Product Name EZ-Mate and @WFCIE5630

Affected Product Model Numbers: \_\_\_\_\_

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

ARL # 6255 through 8150

Production Date 10/27/05 through 3/28/06

## FIELD INFORMATION

### **Fuse Situation**

The original WF+ board used resettable fuse 0434, rated at 1.5-amp, but after loading with contactors similar to air conditioning or heat pump, the actual test at drop out is at about .75-amp.

This is the equivalent of two normal size 30A contactors.

Realize there are potentially larger contactors in heat pumps which could be the equivalent of the two tested or could be even higher in-rush surge current.

As the WF boards are updated, the resettable fuse is replaced with 0433 which is the next highest rating. With further testing this fuse now carries the load at 1.7 amps (44VA) and up to 7 contactors tied in parallel. There was no drop out experienced after 2.25 hours and after rapid cycling associated with testing in-rush.

### **Recommendation**

With basic air conditioning, normal compressor contactor, there should be no problem.

Also the typical heat pump should be less than the equivalent of two contactors tested with the initial fuse.

Newer and some heat pumps do have larger contactors – call factory for a no charge swap out control board. Request WFCIE5630 dated after 4/3/2006.

Production – all in-house control boards and all units have been purged and all boards have the 0433 upsized fuse.

**Comment** – there is also an Electro EZ-Mate software upgrade version 10.01 date 4/6/2006. This only has to do with setting some factory defaults, probably not a field concern for units shipped prior to 4/5/2006.

Approval  Date 4-17-06