

ELECTRO INDUSTRIES - FIELD SERVICE BULLETIN

Bulletin Number 1089 Date October 5, 2004

Product Name Electro-Mate/WarmFlo – 25 kW Model only

Affected Product Model Numbers: EM-WD25458

ARL # 3261

Affected Product Model Numbers: EM-WU25458

ARL # 2200, 2281-2286, 2379-2383, 2506-2507, 2526, 2529-2532, 2667-2674, 3004, 3115-3129, 3414-3419

FIELD INFORMATION

Background

The two small relays which control the two bottom Electro-Mate elements receive their coil voltage from stages 3 and 4. It turns out that one side of these two coils is common to CB1, L1 screw. If the 240 hookup phasing between CB1 and CB2 is not correct or in sync, one of these K7 or K8 relays can inadvertently stay energized. The result is one element energized without a call for heat.

From the new production forward, this is taken care of by adding an extra internal wire separating the K7 and K8 coils.

Also there has been a step added to the warranty checkout procedure verifying zero current without a call for heat (EC110, dated 10/05/2004).

Field Notice

For all units previously shipped, the installer needs to verify proper 240 phasing hookup on the three Electro-Mate circuit breakers. This is accomplished by making sure the same reference 240 leg is the same on all left terminals, likewise the same on all right CB terminals.

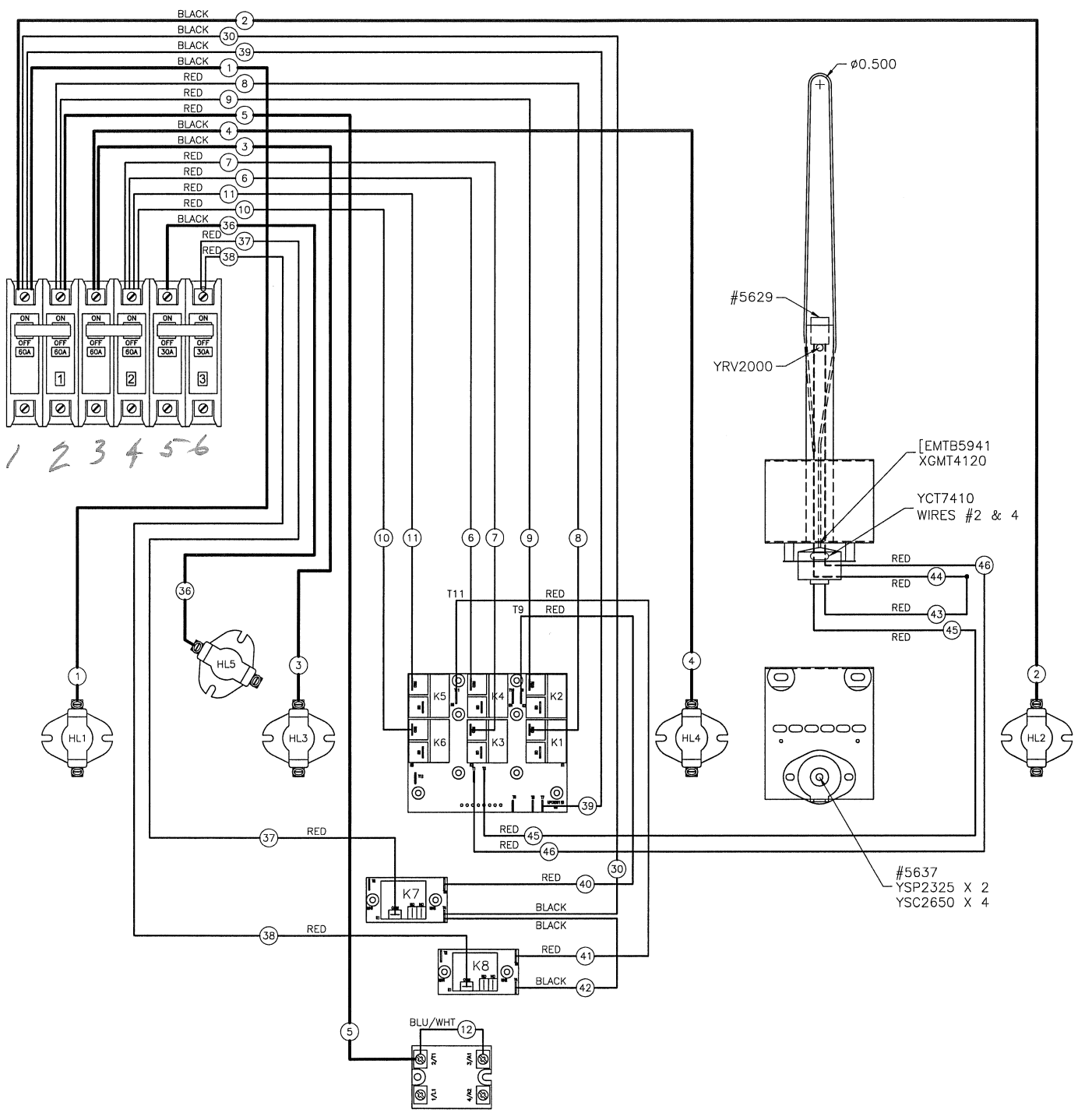
- An easy voltmeter procedure is to put one probe on the left most hookup CB screw (refer to this as terminal 1). Use the other probe to verify zero volts on 3 and 5.
- A second check is to move the voltmeter probe from terminal 1 to terminal 2 and there will be 240 at 3 and 5.

If the above test is not true, simply interchange the two feed wires on the CB which appears to be out of step. Retest using the two subparagraphs above.

As a secondary item, not near as critical, you should also re-verify K7 and K8 #40 and #41 wires. Per the enclosed EW711 page 4 drawing, K7 is fed from T9 and K8 is fed from T11.

Approval W Seepch Date 10-5-04

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108-13-02 REVISION	ELECTRO INDUSTRIES, INC. MONTICELLO, MN 55362		DESCRIPTION EM-WU25458 WIRING DIAGRAM		
	DRAWN MEF	REFERENCE DOCUMENT EW708		SCALE NTS	PART/ASSY/MODEL NUMBER EM-WU25458
	CHECKED	VIEW/DRAWING TYPE WIRING DIAGRAM		SHEET 4	DOCUMENT NUMBER EW711
	APPROVED	DRAWING STATUS RELEASED	DOCUMENT DATE 09-05-01		