



FOOD WARMING EQUIPMENT

5599 HWY 31W PORTLAND, TN 37148

•800-222-4393•

Service Information

Date: 4-21-23

Number: SI-ETC0002

Subject: INSTRUCTIONS FOR INSTALLING RELAY UPDATE KIT (Z-500-1056)
FOR HUMI-TEMP UNITS (PAPER #Z-500-3030)



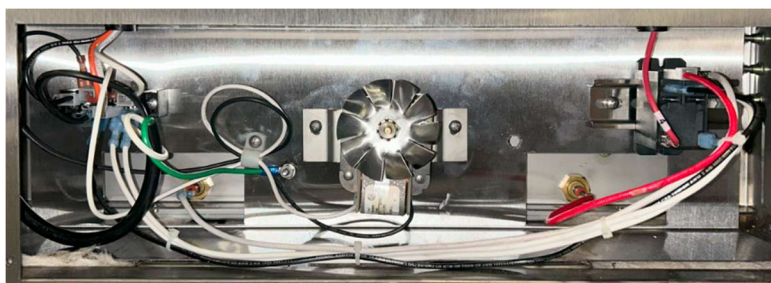
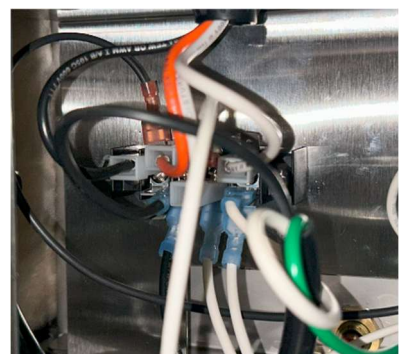
VIDEO INSTRUCTIONS: <https://youtu.be/jcFRRZaHx-w>

Purpose: To add a relay kit to units experiencing adverse conditions or multiple switch failures.

Priority Service Notes:

- 1) Make sure to mount the relay to the bottom of the unit.
- 2) Make sure all connections are tight and secure.
- 3) Make sure all screws are tight on the terminal block.
- 4) Make sure to route the wires safely around the blower motor and fan.

5)



Detailed Installation Instructions:

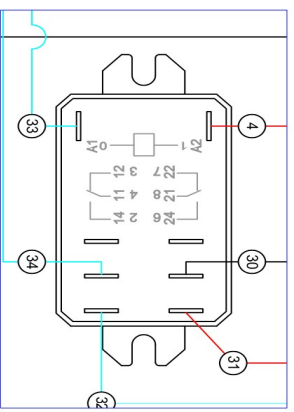
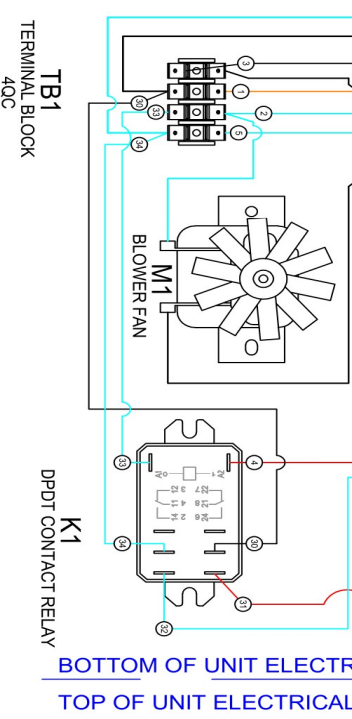
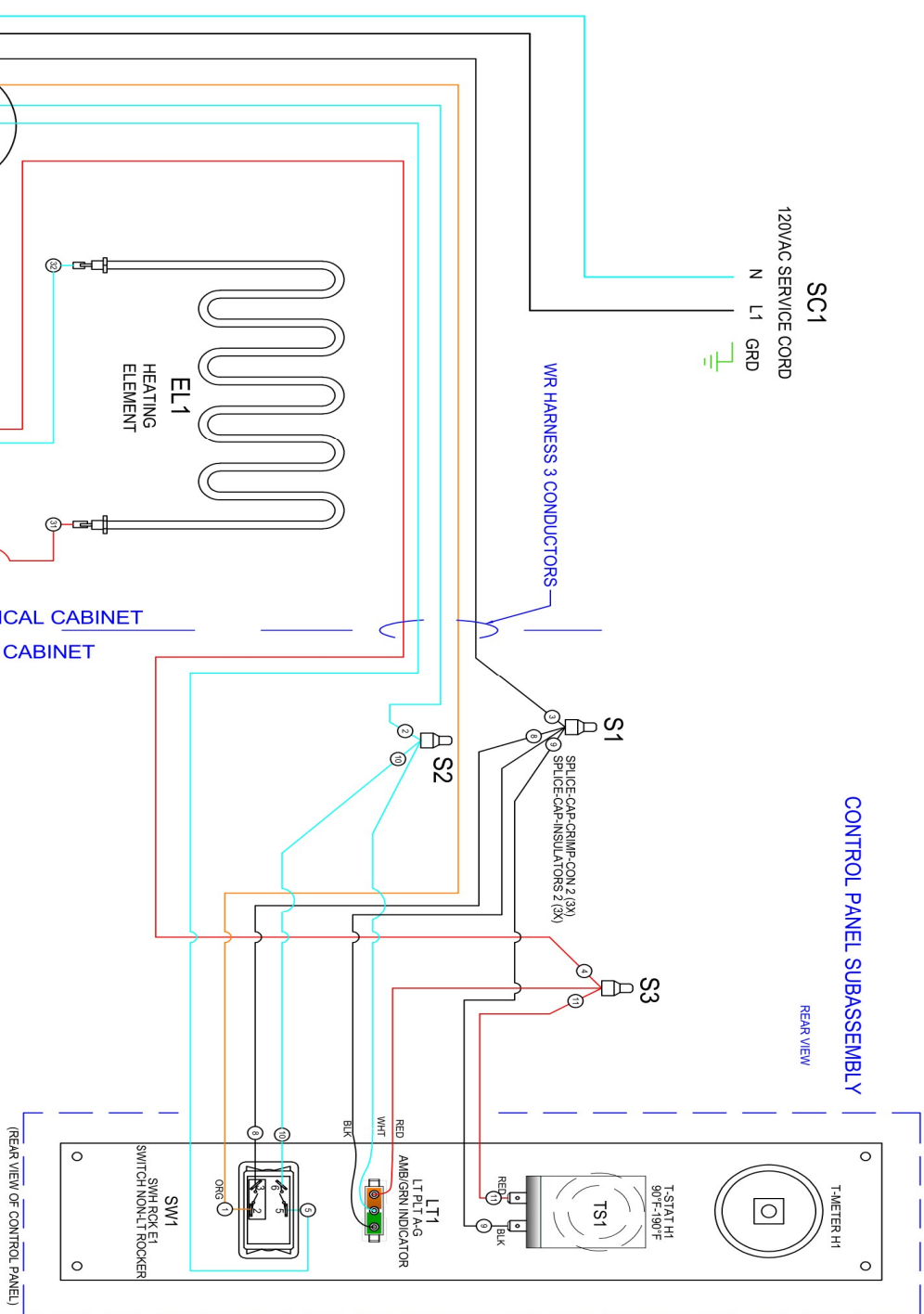
1. Unplug unit and remove from service.
2. Open packaging and locate relay assembly with included wiring harness and wiring diagram.
3. Remove the side panel off the unit and locate terminal block and elements.
4. Using wiring diagram to follow along, proceed with the following:
 - a. Remove existing white wire (left side) from Element terminal and remove from terminal block. Discard wire.
 - b. Install new wire from terminal block to one side of relay coil (**wire #33** on diagram).
 - c. Remove existing red wire from Element terminal (right side) and install on other side of relay coil (**wire #4** on diagram).
 - d. Install black wire (**wire #30**) on terminal block position #2 where incoming Line power from cord is connected.
 - e. Install white wire (**wire #34**) on terminal block position #4 where incoming Neutral line from cord is connected.
 - f. Install red wire (**wire #31**) onto right side element terminal.
 - g. Install white wire (**wire #32**) onto left side element terminal.
5. Route wiring so that it does not interfere with rear fan blade on motor.
6. Mount relay to the bottom of compartment with choice of fastener (Zip Screws recommended).
7. Restore power and test unit for operability.
8. Reinstall side panel and return unit to service.

SC1

120VAC SERVICE CORD
N L1 GRD

CONTROL PANEL SUBASSEMBLY

REAR VIEW



NOTES

REFERENCE MUST BE MADE TO THE CUT-LIST FOR COMPLETE IDENTIFICATION OF THE CONDUCTOR ASSEMBLIES USED TO WIRE THIS SUBASSEMBLY.

XX CUT-LIST WIRE# MARKERS ON DRAWINGS.

XX WIRE KIT (WK) ITEM NUMBER DESIGNATION ON DRAWINGS.

1 SERVICE CORD BLK AND WHT LEADS TO BE TERMINATED WITH INSL BLUE Q.C. AND FASTENED INTO CORRECT LOCATION ON TB1

GREEN GROUNDING CONDUCTOR OF CORD IS TO BE BONDED TO CABINET IN ACCORDANCE WITH SAFETY AGENCY STANDARDS.

CABLES ARE TO BE ORDERLY BOUND AND STRAIN-RELIEFED AGAINST PULLING BY NYLON WIRE TIES AFTER CONNECTIONS ARE MADE.

2 CLOSED CRIMP CONNECTORS S1-S3 ARE TO BE FIVE PIN SPICE-CAP-CRIMP-CON 2 WITH INSULATOR

SPICE-CAP-INSULATORS 2. IDEAL 2006S COPPER CRIMP CONNECTORS WITH 2007 NYLON INSULATOR.

PER UL LISTING: MAXIMUM FIVE (5) 14AWG WIRES. TO INSTALL: STRIP WIRES APPROXIMATELY 3/4" LONG. INSERT WIRES THROUGH CRIMP AND TWIST. CRIMP WITH BUCHANAN C24 TOOL WITH LATCH AT "A". DO NOT CRIMP INSULATION. CUT WIRES FLUSH AFTER CRIMPING. INSULATE WITH #2007 NYLON INSULATOR.

MINIMAL CONNECTOR TENSILE PULL TEST IS 25 LBS.

RELAY DETAIL