

WIRING INSTRUCTIONS  
- HEAT PUMP -

A) INPUT TERMINALS FROM STAT 1:

- TERMINAL 1 - REVERSING VALVE SIGNAL
- TERMINAL 2 - COMPRESSOR RELAY SIGNAL
- TERMINAL 3 - HEAT RELAY SIGNAL
- TERMINAL 4 - FAN RELAY SIGNAL

B) INPUT TERMINALS FROM STAT 2:

- TERMINAL 1 - REVERSING VALVE SIGNAL
- TERMINAL 2 - COMPRESSOR RELAY SIGNAL
- TERMINAL 3 - HEAT RELAY SIGNAL
- TERMINAL 4 - FAN RELAY SIGNAL

C) INPUT TERMINALS FROM STAT 3:

- TERMINAL 1 - REVERSING VALVE SIGNAL
- TERMINAL 2 - COMPRESSOR RELAY SIGNAL
- TERMINAL 3 - HEAT RELAY SIGNAL
- TERMINAL 4 - FAN RELAY SIGNAL

D) OUTPUT TERMINALS TO THE AIR HANDLER:

- TERMINAL 1 - REVERSING VALVE
- TERMINAL 2 - COMPRESSOR RELAY
- TERMINAL 3 - HEAT RELAY
- TERMINAL 4 - FAN RELAY

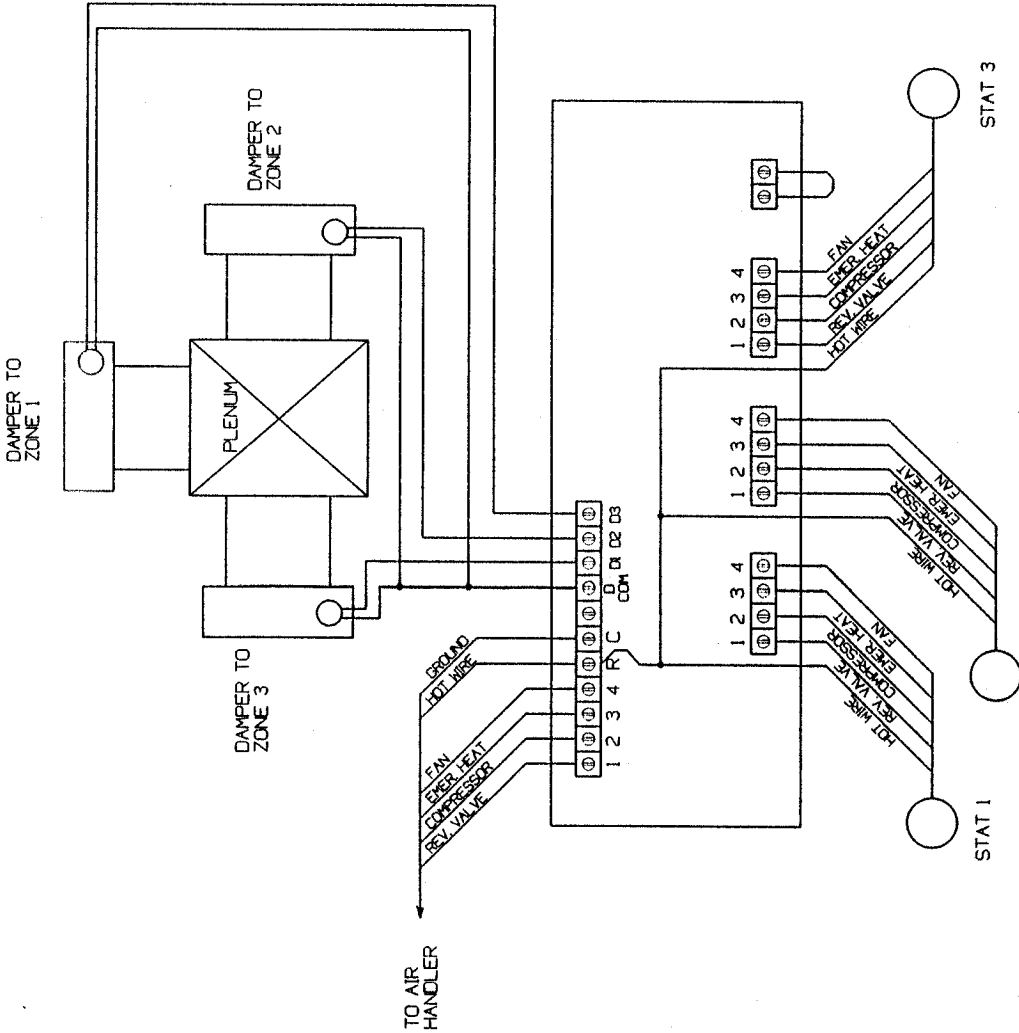
TERMINAL R - THIS TERMINAL IS TO BE WIRED TO THE HOT WIRE FROM THE 24V TRANSFORMER IN THE AIR HANDLER. IT MUST ALSO BE WIRED TO THE TERMINALS TO EACH THERMOSTAT COMMON TERMINAL FROM THE 24V TRANSFORMER IN THE AIR HANDLER.  
ON SOME HEAT PUMPS IT MAY BE NECESSARY FOR THIS TERMINAL TO BE WIRED TO THE THERMOSTATS.

E) OUTPUT TERMINALS TO THE DAMPERS:

- TERMINAL D1 - THIS TERMINAL IS TO BE CONNECTED TO THE SOLENOID THAT CONTROLS THE DAMPER FOR AREA 1.
- TERMINAL D2 - THIS TERMINAL IS TO BE CONNECTED TO THE SOLENOID THAT CONTROLS THE DAMPER FOR AREA 2.
- TERMINAL D3 - THIS TERMINAL IS TO BE CONNECTED TO THE SOLENOID THAT CONTROLS THE DAMPER FOR AREA 3.
- TERMINAL D-COM - THIS TERMINAL IS TO BE WIRED TO THE SOLENOID COMMON.

NOTES

1. IF THE UNIT TO WHICH THE T.E.C. IS WIRED HAS A TRANSFORMER SMALLER THAN 100 VA. THE TRANSFORMER MUST BE REPLACED WITH ONE 100 VA OR LARGER.
2. THE DAMPER SOLENOIDS ARE NOT POLARITY SENSITIVE AND MAY BE WIRED WITH EITHER POLARITY.
3. THE SOLENOIDS ARE DC. DO NOT CONNECT COMMON AND D-COM.



RHEEM, RUUD, & OTHER HEAT PUMPS  
WHICH ENERGIZE THE REV. VALVE IN  
THE HEAT MODE.

STAT 2

STAT 3

STAT 1

**MAVERICK TECHNICAL SYSTEMS, INC.**  
GLADEWATER, TX 75047  
4315 HWY. 80 EAST

TITLE CONNECTION DIAGRAM, T.E.C. III ZONE CONTROL  
HEAT PUMPS WHICH ENERGIZE THE REVERSING VALVE  
IN THE HEATING MODE.

DRAWN BY: M. FRIEND  
DES. NO. M95C09

DATE: 3-15-95  
SCALE: 2.5  
SHEET 1 OF 1

DATE

REASON

REVISION