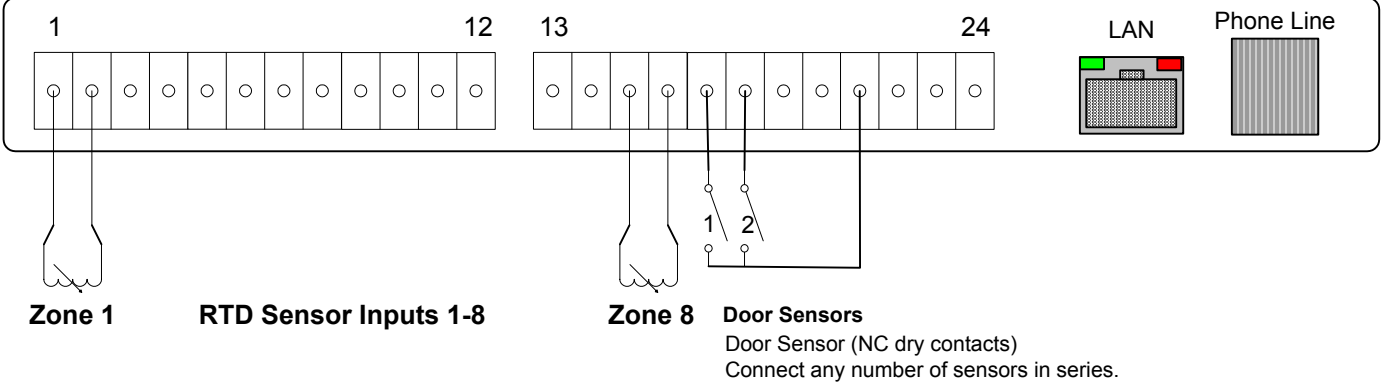


**Wiring Diagram (side view of enclosure)**

**Terminal Block Designations**

**Alarm Relay Output**

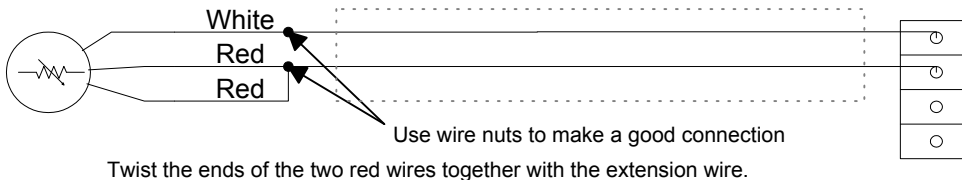
T22: NO  
T23: Common  
T24: N/C



ACI/1K-3W-LTS

Sensor Extension Wire

Refrigerator/Freezer Guard



**The terminal blocks on the front of the enclosure are removable. To remove the terminal block pull straight out.**

**ACI/1K-2W-SP, BP, LTS Temperature Sensors**

Install the sensor in the refrigerator or freezer. Pass the wires through an access hole and run the two conductor cable to the VM500-5E or the VM500-10E. If no access hole is available, contact the manufacturer of the freezer and have them specify a location to drill a small access hole. Locate the sensors to yield an average temperature. Avoid placing sensors in air streams or on the wall of the refrigerator or freezer. The RTD sensor wires can be extended as required. See the chart in the manual for wire gauge vs. temperature error.

**Door Sensor 1 and 2**

The door sensor inputs connect to magnetic door sensor DR-1035W. The normally closed sensors detect when a refrigerator or freezer door has opened. Multiple sensors can be wired in series to monitor multiple doors. (see the manual for more detail on programming the input)

**Surge Protection**

It is recommended that a surge suppressor be used for the wall plug power adapter and the phone line.