

## Tom O'Moore

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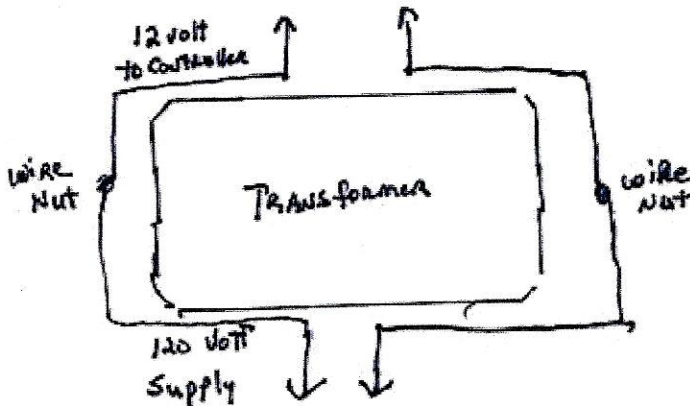
Subject:

FW: tsx3

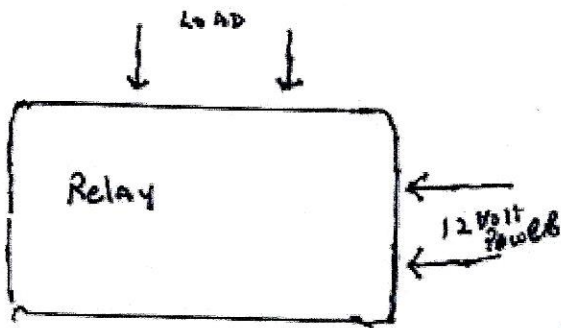
The TSX3 is a replacement for the SF104

The existing wiring is used for the new controller ( You need to decide if your existing wires are to small)

Bypass the 12 volt transformer, just wire the 120 volt wires to the 12 volt wires



Bypass the outside relays



On the relays the wires are marked "COM" "NO"

The controller is used as a switch to open and close the circuits

Bypassing the 12 volt trans. and relays allows you to use the same wiring for the new controller, that was used on the old controller

The wire on #1 (SF104) goes to terminal #8 (TSX) (Compressor -- "NO" from the relay)

The wire on #2 (SF104) goes to terminal #11 (TSX)(fans ---"NO" from the relay)

The wire on #4 (SF104) goes to terminal #10 (TSX) (defrost heater --- "NO" from the relay)

The wire on #5 (SF104) goes to terminal #9 (TSX)("COM" from all the relays)

The wire on #8 (SF104) goes to terminal #2 (TSX) (Probe for Evap- 1side)

The wire on #9 (SF104) goes to terminal #4 (TSX)(Returns from both probes)

The wire on #10 (SF104) goes to terminal #3 (TSX)(Probe for room temp)

The wire on #11 (SF104) goes to terminal #6 (TSX) (120volts to power the Controller)

The wire on #12 (SF104) goes to terminal #7 (TSX) (120volts to power the Controller)

everything should work at this point

The 120 volts to the new controller is to power the controller , not the unit

the power to the compressor , fans , heat element , is already wired in the unit wiring,

If you still have questions , please call while you are there working on the controller

Any questions please let me know

Thanks

Tom  
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PS: If you need to use the old probes, you will need to change the setting in the new controller  
The new probes are PTC type probes (TSX is factory set to use PTC)  
The old probes are NTC type probes (The TSX can use NTC probes)

PS2: The settings on the new TSX3 is set for Freezers and other than setting the temp you want  
, everything else should be ok  
Check after running a few days for icing , on some units we have had to increase drip time