

The SF102 and SF104 versions being imported today will not work correctly with the Coldtech , Ascend , Jimex units

The TSX 3 was the suggestion from the factory as a replacement (freezer or cooler)

Using the TSX3 eliminates the outside relays and the 12 volt transformer

You can use the existing wiring to wire the TSX3 , please check that the existing wiring is heavy enough to handle the load

The controller is used to control (switch) the existing circuits, it does not supply the power to the unit components

To bypass the transformer , take the 120 volts coming to the transformer direct to terminals # 6 & 7 (this powers the controller , not the freezer)

to bypass the relays. each relay has a terminal marked "com" and "NO"

all three com wires need to go to terminal #9

The NO wire for the compressor relay goes to terminal # 8

The NO wire for the fan relay goes to terminal #11

The NO wire for the defrost relay goes to terminal # 10

If you are not sure of which relay is what , if you put the "NO" and the "com" wire together that system will come on (do not operate that way , only long enough to see what it controls)

If you have the old controller still wired up use this guide:

The wire on termina #1 (SF104) goes to **Terminal # 8 (TSX)** (compressor)

The wire on termina #2 (SF104) goes to **Terminal # 11 (TSX)** (fans)

The wire on termina #4 (SF104) goes to **Terminal # 10 (TSX)**(defrost)

The wire on termina #5 (SF104) goes to **Terminal # 9 (TSX)**

The wire on termina #8 (SF104) goes to **Terminal # 2 (TSX)**(defrost Temp)

The wire on termina #9 (SF104) goes to **Terminal # 4 (TSX)**(return for both probes)

The wire on termina #10 (SF104) goes to **Terminal # 3 (TSX)** (room Temp)

The wire on termina #11 (SF104) goes to **Terminal # 6 (TSX)**

The wire on termina #12 (SF104) goes to **Terminal # 7 (TSX)**

Pre set for Freezer

We are available to help with any questions or problems 252 451 1951 pictures to 252 245 6351

If you need to use the old probes , you will need to change the settings in the new controller (pre set for PTC type probes, old probes are (NTC type)

If you are replacing a SF102 , follow above with the wires you have and ignore the ones you don't have , set the temp you want and it is ready

besure to use terminal #3 for probe in one probe system