



Thermocouple Channels
 Channel 1: Oven Temperature Control & Monitor (T1 on screen)
 Channel 2: Optional Thermocouple, Monitor only (T2 on screen)
 Channel 3: Optional Thermocouple, Monitor only (T3 on screen)
 Channel 4: Hi Heat Limit Control & Monitor (T4 on screen)

Important Note About Terminal Blocks!
 DO NOT STRIP WIRES! (Except X1 and X2)
 Use stranded wire sizes as listed
 1. Insert wire in hole
 2. Insert a small screwdriver
 3. Tug on the blue lever
 4. Toggle the blue lever to push the wire into the contact blades
 X1 and X2 are standard screw type terminals

Wires to Door:
 80/81 - Pwr to Screen
 Grnd
 1 - Switch
 1B - Switch
 Com - Switch
 12A - EStop
 29 - EStop
 29B - EStop
 Data - Screen

Field Wiring Checklist
 230 VAC, Supply to disconnect on power distribution panel
 120 VAC from transformer to panel terminals X1 & X2(N)

Re-circulating fan motor VFD to Re-circulating fan motor & panel terminals
 Exhaust Fan motor starter to Exhaust Fan Motor & panel terminals

Exhaust Fan Air Flow Switch (AFS-1) to Panel Terminals
 RFA Air Flow Switch (AFS-2) to Panel Terminals
 Door Switch (DS-1) to Panel Terminals

Burner Control wires from Burner Control to Panel Terminals
 Shielded cable from Fuji Temperature Controller to Burner Control

Thermocouple wires (3 pairs) from TC Terminals in Oven Control Panel to TC jack panel in Oven
 Thermocouple wire (1 pair) from TC Terminals in Oven Control Panel to Hi Heat Thermocouple

Connect tagged wires in Oven Control Panel to System Status Light Bar
 *** Tag all wire ends with wire numbers ***

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Note: Components inside dashed boxes are external of the control panel.

Powder Cure Oven Control Wiring

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 OCP-Coast-Calloway.SKF
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