



REFER TO LED DRIVER ELECTRICAL SCHEMATIC:

CONTROL BOX

- 1 - POWER SWITCH - DPST, 10/20A, 125/250VAC (ESW-130)
- 2 - POWER RELAY - DPDT, 30A, 240VAC (ERL-030)
- 3 -
- 4 - UNIT COOLER - 1.2A, 220V, 50/60Hz (RCO-084)
- 5 - POWER CORD - INTERNATIONAL, 3-WIRE, 16A, 230VAC (ECD-024)
- 6 - CONDENSING UNIT - 4.4A, 220/1/50 (RCU-313)
- 7 - CONTROLLER W/ OVERLAY - INTELLUS, 85-264VAC, 50/60Hz (ETC-108 & ETC-109)
- 8 - TEMPERATURE SENSOR - RTD, 100 Ohm, 0.00385 Ohm/Ohm/°C (ETC-052)
- 9 - RELAY - CARLO GAVAZZI, SS, NO, 3-32VDC INPUT, 24-240VAC OUTPUT, 5A (ERL-060)
- 10 - HEATING HEATER - 250W @ 230VAC, 1.1A (EHE-046)
- 11 -
- 12 - SOLENOID VALVE - HOT GAS LINE, 240VAC (RVS-027, -028, -031)
- 13 - SOLENOID VALVE - LIQUID LINE, 240VAC (RVS-027, -028, -030)
- 14 -
- 15 - TERMINAL BLOCK - WAGO, SERIES 2004, AWG 20-10, 30A, 600V

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- 19 - POWER SUPPLY - 85-264VAC INPUT, 12VDC OUTPUT, 72W (EPS-031)
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- 31 - CABLE - USB, PANEL MOUNT, USB A-A, FEMALE-MALE, 3ft LENGTH (EPC-032)
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- 38 - CIRCUIT BREAKER - ALTECH 1DU2L, 1-POLE, 2A (EBR-147)
- 39 - CIRCUIT BREAKER - ALTECH 1DU3L, 1-POLE, 3A (EBR-163)
- 40 -
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- 43 - CIRCUIT BREAKER - ALTECH 1DU10L, 1-POLE, 10A (EBR-145)
- 44 - CIRCUIT BREAKER - ALTECH 1DU15L, 1-POLE, 15A (EBR-146)
- 45 -

ELECTRICAL SYSTEM CHARACTERISTICS					
VOLTAGE:	230 VAC	PHASE:	1Ø	FREQUENCY:	50 Hz
AMPERAGE DRAW (MAX)					
MODEL #	CORD#1	CORD#2	N/A	RLA / MCA	
CU-41L4	8.4 A	N/A	N/A	8.4/10.5 A	
- PROVIDE THHN STRANDED COPPER CONDUCTORS W/ A TEMPERATURE RATING OF 90°C (194°F).					

PERCIVAL SCIENTIFIC, INC.	
TITLE: ELECTRICAL SCHEMATIC - GENERAL	
MODEL: CU-41L4	DRAWING: 033586-4-0-1
BY: RAS	DATE: 02/05/24