



CONTROL BOX

- 1 - POWER SWITCH - DPST, 10/20A, 125/250VAC (ESW-130)
- 2 - POWER RELAY - DPDT, 30A, 240VAC (ERL-030)
- 3 -
- 4 - UNIT COOLER - 0.8A, 220V, 50/60Hz (RCO-052)
- 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

- 16 -
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- 18 -
- 19 - POWER SUPPLY - 85-264VAC INPUT, 12VDC OUTPUT, 72W (EPS-031)
- 20 -
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- 31 - CABLE - USB, PANEL MOUNT, USB A-A, FEMALE-MALE, 3ft LENGTH (EPC-032)
- 32 -
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- 34 -
- 35 -
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- 37 -
- 38 - CIRCUIT BREAKER - ALTECH 1DU2L, 1-POLE, 2A (EBR-147)
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- 40 -
- 41 -
- 42 -
- 43 - CIRCUIT BREAKER - ALTECH 1DU10L, 1-POLE, 10A (EBR-145)
- 44 - CIRCUIT BREAKER - ALTECH 1DU15L, 1-POLE, 15A (EBR-146)
- 45 -

REFER TO LED DRIVER ELECTRICAL SCHEMATIC:

| ELECTRICAL SYSTEM CHARACTERISTICS | | | | | |
|--|---------|--------|-----|------------|-------|
| VOLTAGE: | 230 VAC | PHASE: | 1Ø | FREQUENCY: | 50 Hz |
| AMPERAGE DRAW (MAX) | | | | | |
| MODEL # | CORD#1 | CORD#2 | N/A | RLA/MCA | |
| CU-36L4 | 8.2 A | N/A | N/A | 8.2/10.3 A | |
| - PROVIDE THHN STRANDED COPPER CONDUCTORS W/ A TEMPERATURE RATING OF 90°C (194°F). | | | | | |

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|---------------------------------------|---------|----------|----------|------------|
| PERCIVAL SCIENTIFIC, INC. | | | | |
| TITLE: ELECTRICAL SCHEMATIC - GENERAL | | | | |
| MODEL: | CU-36L4 | DRAWING: | | |
| BY: | RAS | DATE: | 08/15/23 | 032994-0-1 |