



CONTROL BOX

- 1 - POWER SWITCH - DPST, 10/20A, 125/250VAC (ESW-130)
- 2 - POWER RELAY - DPDT, 30A, 240VAC (ERL-030)
- 3 -
- 4 - UNIT COOLER - 0.16A, 230/1/50-60HZ (RCO-167 COIL, EBL-040 FANS)
- 5 - POWER CORD - INTERNATIONAL, 16A, 3 WIRE, 15FT (ECD-024)
- 6 - CONDENSING UNIT - 220/1/50, 2.3A (RCU-054)
- 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 - CONTROL RELAY - 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 -
- 14 -
- 15 - TERMINAL BLOCK - WAGO, SERIES 2004, AWG 20-10, 30A, 600V

- 16 -
- 17 -
- 18 -
- 19 - POWER SUPPLY - 95-265VAC INPUT, 12VDC OUTPUT, 18W (ETR-036)
- 20 -
- 21 -
- 22 -
- 23 -
- 24 -
- 25 -
- 26 -
- 27 -
- 28 -
- 29 -
- 30 -

- 31 - CABLE - USB, PANEL MOUNT, FEMALE-MALE, 3ft LENGTH (EPC-032)
- 32 -
- 33 -
- 34 -
- 35 -
- 36 -
- 37 -
- 38 - CIRCUIT BREAKER - D-TYPE, 1-POLE, 2A (EBR-147)
- 39 - CIRCUIT BREAKER - D-TYPE, 1-POLE, 3A (EBR-163)
- 40 - CIRCUIT BREAKER - D-TYPE, 1-POLE, 5A (EBR-166)
- 41 -
- 42 -
- 43 - CIRCUIT BREAKER - D-TYPE, 1-POLE, 10A (EBR-145)
- 44 -
- 45 -

ELECTRICAL SYSTEM CHARACTERISTICS					
VOLTAGE	230 VAC	PHASE	1Ø	FREQUENCY	50 Hz
AMPERAGE DRAW (MAX)					
MODEL #	CORD #1	MCA			
I-30L	4.9A	6.2A			

PERCIVAL SCIENTIFIC, INC.

TITLE: ELECTRICAL SCHEMATIC - GENERAL
 MODEL: ARC-30L-I
 BY: RAS DATE: 1/16/2023 DRAWING: 032156-0-1