



CONTROL BOX

- 1 - POWER SWITCH - 10A @ 230V, 2-POLE (ESW-130)
- 2 - POWER RELAY - DPDT, 30A, 240VAC (ERL-030)
- 3 -
- 4 - UNIT COOLER - 1.2A, 220V, 50/60Hz (RCO-084)
- 5 - POWER CORD - 3-WIRE, 16A, 230VAC (ECD-024)
- 6 - CONDENSING UNIT - 230/1/50, 4.4A (RCU-313)
- 7 - CONTROLLER W/ OVERLAY - 85-264VAC, 50/60Hz (ETC-108 & ETC-109)
- 8 - TEMPERATURE SENSOR - RTD, 100 Ohm, 0.00385 Ohm/Ohm/°C (ETC-052)
- 9 - RELAY - NO, 3-32VDC INPUT, 24-240VAC, 5A (ERL-060)
- 10 - HEATER - 250W @ 230VAC, 1.1A (EHE-046)
- 11 -
- 12 - SOLENOID VALVE - 3/8", 240VAC (RVS-027, -028, -031)
- 13 - SOLENOID VALVE - 1/4", 240VAC (RVS-027, -028, -030)
- 14 - SOLENOID VALVE - 1/4", 240VAC (RVS-027, -028, -030)
- 15 - TERMINAL BLOCK - (ETE-017, -018, -019, -020, -021, -022)

- 16 - 6-PIN MOLEX MALE & FEMALE CONNECTORS (EPL-042 & ERE-045)
- 17 - HEATER - 350W @ 230VAC, 1.52A (EHE-053)
- 18 - HUMIDIFIER - ULTRASONIC, 48 VAC, 100W, 0.8A (EHU-038)
- 19 - POWER SUPPLY - 95-265VAC INPUT, 12VDC OUT (EPS-033)
- 20 - HUMIDITY SENSOR - 0-1VDC OUTPUT (EHU-073)
- 21 -
- 22 - TRANSFORMER - 117-234 VAC INPUT, 24-48 VAC OUTPUT, 196VA (ETR-044)
- 23 -
- 24 -
- 25 -
- 26 - TERMINAL BLOCK - 16 TERMINALS, 4 SETS (ETE-030)
- 27 -
- 28 -
- 29 - PLUG - EMF, 7-PIN, 7-COLOR, AWG 18, 48" WIRE LENGTH (EPL-052)
- 30 - RECEPTACLE - 7-PIN, 7-COLOR, AWG 18, 108" WIRE LENGTH (ERE-083)

- 31 - CABLE - USB, FEMALE-MALE, 3ft LENGTH (EPC-032)
- 32 -
- 33 -
- 34 -
- 35 -
- 36 -
- 37 -
- 38 - CIRCUIT BREAKER - 1-POLE, 2A (EBR-147)
- 39 - CIRCUIT BREAKER - 1-POLE, 3A (EBR-163)
- 40 - CIRCUIT BREAKER - 1-POLE, 4A (EBR-164)
- 41 -
- 42 -
- 43 - CIRCUIT BREAKER - 1-POLE, 10A (EBR-145)
- 44 - CIRCUIT BREAKER - 1-POLE, 15A (EBR-146)
- 45 -

ELECTRICAL SYSTEM CHARACTERISTICS					
VOLTAGE	230 VAC	PHASE	1Ø	FREQUENCY	50 Hz
AMPERAGE DRAW					
MODEL #	CORD #1	CORD #2	N/A	RLA/MCA	
I41VL	8.8A		N/A	8.8/11.0 A	
- PROVIDE THHN STRANDED COPPER CONDUCTORS W/ A TEMPERATURE RATING OF 90°C (194°F).					

PERCIVAL SCIENTIFIC, INC.				
TITLE: ELECTRICAL SCHEMATIC - GENERAL				
MODEL:	I-41VL		DRAWING:	
BY: RAS	DATE: 2/01/24	033586-2-0-1		REV: -