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INSTRUCTION GUIDE | SINGLE PHASE

AIRGO 120/240 HVAC INSTALLATION:

The AirGo a/c soft starter functions only as a soft starter, a contactor is still required. this model is suitable for a wide range of applications. Some degree of care is needed to determine correct wiring.

CAUTION/WARNING:

1. All voltage to equipment MUST be disconnected before removing any devices.
2. Allow 2 minutes to discharge run capacitor before disconnecting.
3. Do not swap the Run & Start Windings.
4. Prior to installation, be sure all start capacitors & start relays, along with hard-starters and/or any other start-assist devices, are removed.
5. The start capacitor is built into the soft starter.
6. Loose terminals can lead to heating & subsequent damage to the soft starter. As per, UL508 standard, ensure below tightening torques.
7. OPENING OF THE SOFT STARTER UNIT WILL VOID THE WARRANTY!

PARTS LIST:

- 1 x AirGo soft starter
- 1 x Red Wire
- 1 x Blue Wire
- 1 x Black Wire
- 1 x Brown Wire
- 1 x Mounting Bracket
- 1 x Green Connector
- 1 x Pack of Two Ferrules



Sample schematic is not a reflection of all HVACR units in the field. If the wiring differs from the base schematic or if it needs to be wired through a control board, please contact us: cramermes@gmail.com or 262-893-4375

LED FLASH CODES:

Flash Code	Definition	Time to re-start attempt
Rapid Flash (10/1 sec)	Low voltage	3 minutes
Triple Flash (3/3 sec)	Lockout on 3 failed starts	50 minutes
Slow Flash (1/3 sec)	Lockout on overcurrent	10 minutes
Steady Flash (1/1 sec)	Cycle delay / faults	3 minutes

Note: LED fault indicator remains off in normal running mode

FIELD WIRING SPECIFICATIONS:

Wire Range: 8 to 12 AWG Cu, stranded, for terminals (Run Winding (R) and Active(T2)) 12 to 16 AWG Cu, stranded, for terminals (Run Capacitor (RC), Start Winding (S), and Compressor/Motor Common (C), these are supplied)
 Tightening Torque: 11.5 LBS-IN LARGE TERMINALS, 4.5LBS-IN SMALL TERMINALS.
 Field wiring conductors shall be rated 167°F [75°C]
 Minimum end use enclosure size: 10" x 8" x 6"

- CRIMP CORRECT SIZED FERRULES TO ENSURE PROPER TERMINATION
- INSERTION LENGTH OF FERRULE "D": 11 ± 1 MM (0.43 ± 0.04")
- CABLE BEND RADIUS "R" > 38MM (1.5") MINIMUM

