## **AIRGO SOFT START 120/240V**

### **APPLICATIONS**

- Residential AC
- Commercial AC RV

Marine

# **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:**

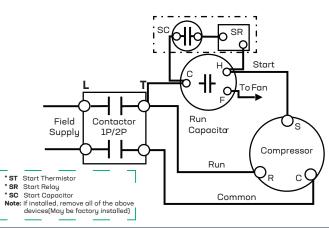
Flash Code	Definition	Time to re-start attempt
Rapid Flash (10/1 sec)	Low voltage	3 minutes
Triple Flash (3/3 sec)	Lockout on 3 failed starts	50 minutes
Slow Flash (1/3 sec)	Lockout on overcurrent	10 minutes
Steady Flash (1/1 sec)	Cycle delay / faults	3 minutes
Note: LED fault indicator remains off in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

