



Quick Reference Guide

MARS Motor No. 10860/10861



WARNING!

To prevent electric shock, personal injury, or death, turn off the electric power at the disconnect or main service panel prior to making any electrical connections.



NOTICE

This guide is intended to be a quick reference and should be left with the equipment for future reference. You must read the installation manual prior to installation.

Azure™ Set-Up (Numbers below correspond to connections in diagram on reverse side)

- ① Set motor voltage: 115V w/RED jumper open, 230V w/RED jumper connected (closed)
- ② Set motor rotation: CCWLE w/WHITE jumper open, CWLE w/WHITE jumper connected (closed)
- ③ Set motor mode of operation: X-13 w/BLUE jumper open, PSC w/BLUE jumper connected (closed)

For PSC Motor Operation:

First remove power from the HVAC system and set thermostat to OFF.

- ① Connect WHITE NEUTRAL lead to system Neutral.
- ② Connect GREEN/YELLOW GROUND lead to system Ground.
- ③ Connect BROWN & WHITE harness to system 24V and Common.
(This is a temporary connection for auto sizing the motor)

Connect RED speed tap 5 to system L1.
(This is a temporary connection for auto sizing the motor)

Apply power to the HVAC system. Make certain to close the blower housing, and open all supplies and returns. Also make certain the air filter is clean. Motor will run for approximately 2 minutes and stop to indicate the auto sizing process is complete.

When motor comes to a complete stop, remove power. NOTE: MOTOR MUST COME TO A COMPLETE STOP BEFORE POWER IS REMOVED OR THE MOTOR MAY NOT ACCEPT THE PROGRAM. BECAUSE THE SYSTEM HAS POWER, DO NOT BE ALARMED IF THE BLOWER RESTARTS APPROXIMATELY 30 SECONDS AFTER THE AUTO SIZE IS COMPLETE.

- ④ Disconnect the BROWN & WHITE harness and the RED speed tap 5.
- ⑤ Connect the 115V speed taps as desired to the HVAC system control board for Heat/Cool.
- ⑥ Apply power to the HVAC system and test full operation including airflow test.

Note: For low speed constant fan operation, see Azure™ installation manual.

For X-13 Motor Operation:

First remove power from the HVAC system and set thermostat to OFF.

- ① Remove the GREEN/YELLOW and WHITE lead power wire harness from the Azure motor.
- ② Plug the factory power harness into Azure™.
- ③ Connect BROWN & WHITE auto sizing harness to system 24V and Common.
(This is a temporary connection for auto sizing the motor).

Apply power to the HVAC system. Make certain to close the blower housing, and open all supplies and returns. Also make certain the air filter is clean. Motor will run for approximately 2 minutes and stop to indicate the auto sizing process is complete.

When motor comes to a complete stop, remove power. NOTE: MOTOR MUST COME TO A COMPLETE STOP BEFORE POWER IS REMOVED OR THE MOTOR MAY NOT ACCEPT THE PROGRAM.

- ④ Disconnect and remove the BROWN & WHITE auto sizing harness.
- ⑤ Connect the 24V speed taps as desired to the thermostat board for heat/cool.
- ⑥ Apply power to the HVAC system and test full operation including airflow.

98888

©2014 MOTORS & ARMATURES, Inc.
All rights reserved. MARS is a registered trademark of Motors & Armatures, Inc.

www.marsdelivers-contractors.com





Quick Reference Guide

MARS Motor No. 10860/10861

WARNING!

To prevent electric shock, personal injury, or death, turn off the electric power at the disconnect or main service panel prior to making any electrical connections. Refer to installation guide for more details.

