

QwikSwap® Azure® Variable Speed Motor Adapter

For 16 Pin Connector ONLY

These instructions are only for **16 pin connectors** with **MORE THAN 4 WIRES**, into the connector.

(Use other instructions for 4 pin connector)

This board is for use with the Azure® MARS No. 10865 (1/3 and 1/2 HP) and 10866 (3/4 and 1 HP) ECM motors. These motors use line voltage speed taps and connect to the QwikSwap® board at the motor outputs. No capacitor is required. The optional hand held programmer (MARS No. 08502) can plug into the Azure® motor to fine tune the CFM provided by the 3 speed output of the QwikSwap® board.



1 Determine Motor Voltage



Jumper Wire -
Set Azure® motor
for 120V operation



No Jumper Wire -
Set Azure® motor
for 240V operation

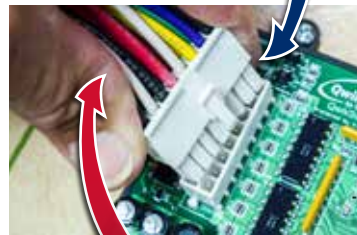
2 Connect the QwikSwap®

With **power off**, remove the **5-pin** power connector from defective ECM motor and plug it into mating connection on the QwikSwap® board.



5-pin
Connector
from Motor
to
QwikSwap®
Board

then...



16-pin
Connector
from Motor
to
QwikSwap®
Board

**4 wires or fewer on this 16-pin connector?
Use the other instructions!**

**IF THE PLUGS DON'T FIT YOU'RE USING THE WRONG QWIKSWAP,
NEVER CUT THE CONNECTORS OFF!**

3 Verify Proper Operation

- a** **Reconnect power to the air handler.** A flashing **Yellow** status LED and solid **Red** (COM) LED indicate proper communication.



If the **Yellow** LED is off, verify power to the QwikSwap® board. If the **RED** LED is off or flashing, there is a communication error.

- b** **Set the Fan to On.** Following a short delay, the **Green** (HIGH) LED should initially light and then settle on one of the (HIGH), (MED) or (LOW) LEDs.

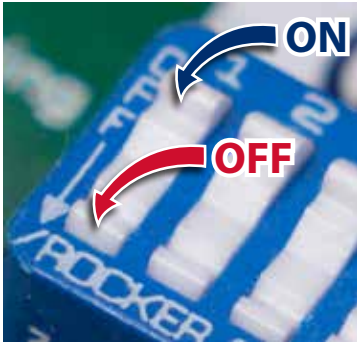


Flip over to the back of this sheet, there's a few more steps

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3 Verify Proper Operation ...continued

- NOTE:** Turn off the fan. If the motor is still running, refer to **Detailed Instructions, Appendix A1**. These instructions will involve specific settings of the QwikSwap® board configuration switches. The figure below shows the proper direction of **ON/OFF** of a switch rocker.



OFF position is indicated by a **down arrow** at the left of the first rocker!

- Set the Fan to Off.** Following a short delay: If a solid **Blue** (DELAY) LED and solid **Green** LED are both on, this indicates the Delay-on-Break is active. See Appendix 3, in the detailed Installation Guide, if you want to change the delay time.



If a solid **Blue** (DELAY) LED is off and solid **Green** LED is on (for more than 5 minutes) see Appendix 1, adjusting the Input Configuration in the detailed **Installation Guide**.



4 Install the Replacement Azure® Motor (same rotation and voltage)

- a** Install the replacement Azure® motor, mount the QwikSwap® board.
- b** Connect the Azure® motor common wire to the **MOTOR COM** terminal on the QwikSwap® board.
- c** Connect three Azure® motor speed taps to the corresponding terminals on the QwikSwap® board.

See table below.



HP	Motor	Low	Med	High
1/3	10865	Purple	Gray	Yellow
1/2	10865	Gray	Yellow	Red
3/4	10866	Purple	Gray	Yellow
1	10866	Gray	Yellow	Red

Technical Support
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