For 4 Pin Connectors or 16 Pin Connectors with only 4 wires

(Use other instructions for 16 pin connector with more than 4 wires)

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 and 4-pin signal connectors from defective ECM motor and plug them into mating connections on the QwikSwap® board.

   - **4-pin Connector from Motor to QwikSwap® Board**
   - **16-pin/4 wire Connector from Motor to QwikSwap® Board**

   *More than 4 wires 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!**

   Flip over to the back of this sheet, there’s a few more steps.
3 Select the Horsepower

Use the Configuration Switches on the Board to select the horsepower of the defective ECM motor.

Note the direction of **ON/OFF** in the Figure.

**NOTE:**
- OFF position is indicated by a down arrow at the left of the set!

### CONFIGURATION SWITCH NUMBER & POSITION

<table>
<thead>
<tr>
<th>H.P.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1/2</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>3/4</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

### In this figure
- the motor has been set to 1/3 hp:
  - (ON, ON, ON, OFF, OFF, OFF, OFF, OFF)

4 Verify Proper Operation & Lock in Settings

- **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.

5 Install the Replacement Azure® Motor

(same rotation and voltage)

- **Install the replacement Azure® motor, mount the QwikSwap® board.**

- **Connect the Azure® motor common wire to the MOTOR COM terminal on the QwikSwap® board.**

- **Connect the three Azure® motor speed taps to the corresponding terminals on the QwikSwap® board.**

See table below.

### HP Motor Low Med High

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3</td>
<td>10865</td>
<td>Purple</td>
<td>Gray</td>
<td>Yellow</td>
</tr>
<tr>
<td>1/2</td>
<td>10865</td>
<td>Gray</td>
<td>Yellow</td>
<td>Red</td>
</tr>
<tr>
<td>3/4</td>
<td>10866</td>
<td>Purple</td>
<td>Gray</td>
<td>Yellow</td>
</tr>
<tr>
<td>1</td>
<td>10866</td>
<td>Gray</td>
<td>Yellow</td>
<td>Red</td>
</tr>
</tbody>
</table>

6 Lock in the **Configuration.** With power still being supplied to the QwikSwap® board, set all configuration switches to **OFF.**

7 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.

8 Set the Fan to **Off.**

Following a short delay, all the **Green** LEDs should turn **off.**

**Technical Support**

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