

Motorized Valve and Relay Used With MicroTech® III Unit Controller or Mark IV Unit Controller

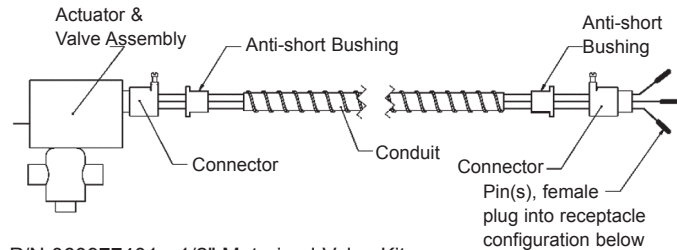
Introduction

The Motorized Valve and Relay kit is a field-installed accessory for use with a MicroTech III unit controller and Mark IV controlled units. See page 2 for application with Mark IV unit controller.

Note: The Motorized Valve and Relay is provided with either two pins (female) or three pins, depending on the valve selected. See figure 2 receptacle configurations to determine the valve type.

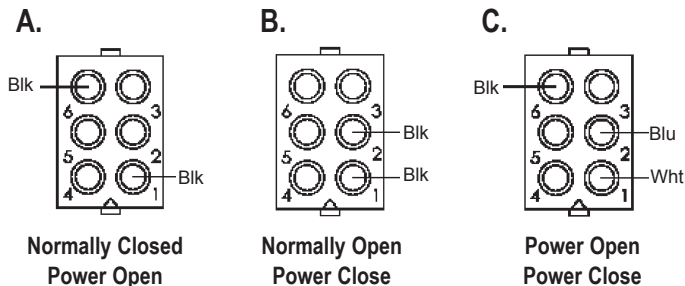
Wired as shown in Figure 2 and 3 the motorized valve will open on a call for compressor operation. Valves for unit sizes 007 to 019 are 1/2" while unit sizes 024 to 070 are 3/4".

Figure 1. Typical Motorized Valve and Relay used with MicroTech III Unit Controller



P/N 060977401 - 1/2" Motorized Valve Kit
 P/N 060977301 - 3/4" Motorized Valve Kit

Figure 2. Motorized Valve Pin Locations on the 6-pin adapter Plug



Procedure For Use with MicroTech III Unit Controller

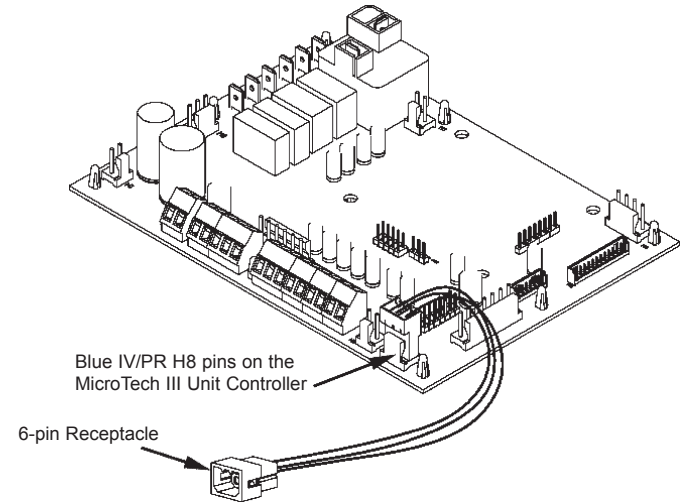
1. Insert motorized valve pins into the appropriate pin locations on the 6-pin receptacle. Refer to Figure 2 for appropriate pin locations.

- A. Normally Closed – Power Open
- B. Normally Open – Power Close
- C. Power Open – Power Close

2. Plug in 6-pin adapter plug into 6-pin receptacle.

3. Connect 3-pin connector to Blue IV/PR H8 pins on the MicroTech III unit controller (Figure 3).

Figure 3. Plug 3-pin Connector to IV/PR H8



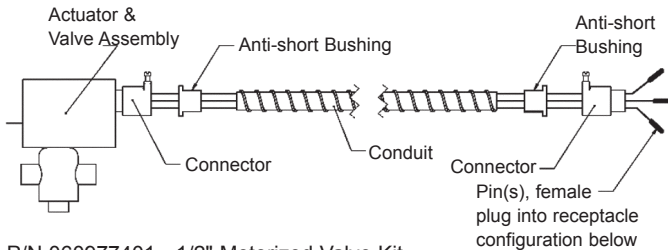
Motorized Valve & Relay for Use with Mark IV Controlled Units – Sizes 007 thru 070

Introduction

Wired as shown in figure 5, the motorized valve will open on a call for compressor operation. Valves for unit sizes 007 to 019 are 1/2" power-open spring-return while unit sizes 024 to 070 are 3/4" power-open spring return.

Note: The wiring shown below can only be used when the "P" terminal is not being used as a pump restart signal to other equipment. If the "P" terminal must be used as a pump restart signal to other equipment, then wire the auxiliary relay's yellow wire to "Y1", white wire to "W1", and orange wire to "C", then the valve will open on a call for occupied heating or cooling from the thermostat.

Figure 4. Typical Motorized Valve and Relay used with Mark IV Unit Controller

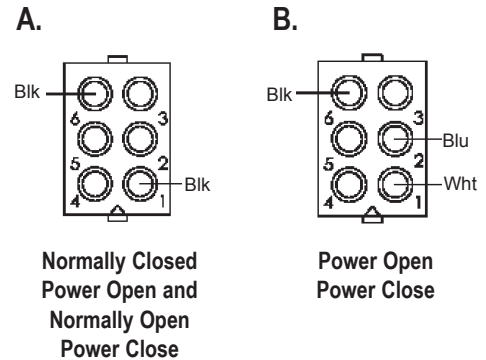


- P/N 060977401 - 1/2" Motorized Valve Kit
- P/N 060977301 - 3/4" Motorized Valve Kit
- P/N 859004354 - Valve Relay Kit (Mark IV Controlled Units Only)

Procedure for Use with Mark IV Controller

1. Insert motorized valve pins into the appropriate pin locations on the 6-pin receptacle as shown in Figure 5.

Figure 5. Motorized Valve Pin Locations on the 6-pin adapter Plug



2. Plug in 6-pin receptacle into relay plug. Refer to Figure 6 for connections.

Figure 6. Typical Wiring for Motorized Valve and Relay used with Mark IV Unit Controller (Normally Closed, Power Open)

