### Solid State (RIB) Control Packages

#### Commercial and Industrial Models

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<table>
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<th>Commercial Type</th>
<th>Description</th>
<th>Max Voltage/Phase</th>
<th>Max HP Rating</th>
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**Features:**

- UR (UL Recognized) and rated for NEMA 1 (field installed by others)
- Solid State Controllers
- Used when low voltage automatic control of an air curtain(s) is required
- Compact control package for limited space installations
- Time delay option – Field adjustable (6s-20m) delay on break. Delay keeps air curtains ON after door closes
- Reed and Magnet have sleek compact design (must be within 3/8" of each other to energize and de-energize the air curtain)
- Single pole terminal (1P) normally closed (NC) and normally opened (NO) contact

**Controller with Adjustable Time Delay**
(Controller part # 99-050 & 99-051)

**Controller without Time Delay**
(Controller part # 99-052 & 99-053)

**Note:** MARS AIR SYSTEMS, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.
Solid State (RIB) Control Packages

Commercial and Industrial Models

Commercial Type Control Packages
*Note: Do not use a fastener larger than a #6 sheet metal screw or a #8 Machine screw to mount this door limit switch. Forcing larger screws through the mounting holes destroys the switch and voids the warranty.

- Wired
  - Flush Mounted (99-275) and Surface Mounted Wired (99-018) available
  - Wiring terminals provided in reed switches (field wired by others)
  - Maximum amperage rating is 1/2A
  - Durable white plastic construction
  - Available for 115V and 208/230V, 1Ø power only with 24V control

- Wireless
  - Surface Mounted Wireless Reed Switch (99-118)
  - Reed mounted solar panel charges internal battery
  - Maximum amperage rating is 2A
  - Durable white plastic construction
  - Available for 115V and 208/230V, 1Ø power only with 24V control

*Note: Wherever applicable, the switch and magnet should be mounted using screws to door frame or door jamb.

Wireless switch – Not recommended for low light areas. Ideal for applications where traffic through the door is no greater than 500 cycles/day. For higher traffic situations, the required battery replacements will be more frequent.

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Solid State (RIB) Control Packages

Commercial and Industrial Models

Industrial Type
- Floor Mounted (99-124) and Surface Mounted (99-125) available
- Rated for NEMA 1 (field installed by others)
- 24 to 120 volts (controller or panel required)
- 12" conduit leads provided (field wired by others)
- Maximum amperage rating is 3A
- Heavy duty extruded aluminum construction

Options and Accessories: (see Accessories Brochure)
- Factory wiring available (specify lead lengths)
- Industrial Types may be use with optional Motor Control Panels (MCP*.

Magnetic Switch Control Package Wiring Diagrams

To Door Limit Switch(s) N/O Contacts
To 115V, 1Ø Power Supply
From Air Curtain Motor(s)

To Door Limit Switch(s) N/O Contacts
To 208/230V, 1Ø Power Supply
From Air Curtain Motor(s)

Kit J0021, J0101, J0028, J0038 & J0102 Diagrams
Kit J0022, J0105, J0029, J0042 & J0106 Diagrams

Kit J0023, J0099, J0036 & J0100 Diagrams
Kit J0024, J0103, J0037 & J0104 Diagrams

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Solid State (RIB) Control Packages

Commercial and Industrial Models

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Kit J0703, J0704, J0720, J0721, J0724 & J0725 Diagrams

Note:
Controller Kit J0703, J0720 and J0724 require 115V, 1Ø power and Controller Kit J0704, J0721 and J0725 require 208/230V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

Kit J0703, J0704, J0720, J0721, J0724 & J0725 Diagrams with 2-Speed Switch

Note:
Controller Kit J0703, J0704, J0720 and J0724 require 115V, 1Ø power and Controller Kit J0721 and J0725 require 208/230V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

Kit J0705, J0706, J0722, J0723, J0726 & J0727 Diagrams

Note:
Controller Kit J0705, J0706 and J0726 require 115V, 1Ø power and Controller Kit J0722 and J0727 require 208/230V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

Kit J0705, J0706, J0722, J0723, J0726 & J0727 Diagrams with 3-Speed Switch

Note:
Controller Kit J0705, J0722 and J0726 require 115V, 1Ø power and Controller Kit J0706, J0723 and J0727 require 208/230V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

Kit J0705, J0706, J0722, J0723, J0726 & J0727 Diagrams with 2-Speed Switch

Note:
Controller Kit J0705, J0722 and J0726 require 115V, 1Ø power and Controller Kit J0706, J0723 and J0727 require 208/230V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.