Solid State (RIB) Control Packages

Commercial and Industrial Models

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Solid State (RIB) Control Packages

Solid State (RIB) Control Package #	Description
No TD	
Commercial Type	
J0023	Kit, Controller, Commercial, No TD, 115V,1Ø w/Plastic Mag Reed Sw, Surf Mntd, ½HP max
J0705	Kit, Controller, Commercial, No TD, 115V, 1Ø w/Plastic Mag Reed Sw, Surf Mntd, 1HP max
J0032	Kit, Controller, Walk-in Installation, LPV236-72, No TD, 115V, w/ Plas. Surface Mntd Mag. Reed Switch, 1/6HP
J0024	Kit, Controller, Commercial, No TD, 208-277V, 1Ø w/Plastic Mag Reed Sw, Surf Mntd, ½HP max
J0706	Kit, Controller, Commercial, No TD, 208-277V, 1Ø w/Plastic Mag Reed Sw, Surf Mntd, 1HP max
J0033	Kit,Controller, Walk-in Installation, LPV236-72, No TD, 208-277V, w/ Plas. Surface Mntd Mag. Reed Switch, 1/6HP
Industrial Type	
J0722	Kit, Controller, Industrial, No TD, 115V,1Ø w/Metal Mag Reed Sw, Surf Mntd, 1HP max
J0726	Kit, Controller, Industrial, No TD, 115V, 1Ø w/Metal Mag Reed Sw, Floor Mntd, 1HP max
J0723	Kit, Controller, Industrial, No TD, 208-277V,1Ø w/Metal Mag Reed Sw, Surf Mntd, 1HP max
J0727	Kit, Controller, Industrial, No TD, 208-277V, 1Ø w/Metal Mag Reed Sw, Floor Mntd, 1HP max
Adjustable TD	
Commercial Type	
J0021	Kit, Controller, Commercial, Adj TD(6s-20m), 115V,1Ø w/Plastic Mag Reed Sw, Surf Mntd, ½HP max
J0101	Kit, Controller, Commercial, Adj TD(6s-20m), 115V,1Ø w/Plastic Mag Reed Sw, Flush Mntd, ½HP max
J0028	Kit, Controller, Commercial, Adj TD(6s -20m), 115V,1Ø w/ Door Sw, Roller/Plunger Combo, ½HP max
J0703	Kit, Controller, Commercial, Adj TD(6s-20m), 115V,1Ø w/Plastic Mag Reed Sw, Surf Mntd, 1HP max
J0132	Kit,Controller, Walk-in Installation, LPV236-72, Adj.TD, 115V, w/ Plas. Surface Mntd Mag. Reed Switch, 1/6HP
J0022	Kit, Controller, Commercial, Adj TD(6s-20m), 208-277V, 1Ø w/Plastic Mag Reed Sw, Surf Mntd, ½HP max
J0029	Kit, Controller, Commercial, Adj TD(6s-20m), 208-277V, 1Ø w/ Door Sw,Roller/Plunger Combo, ½HP max
J0704	Kit, Controller, Commercial, Adj TD(6s-20m) ,208-277V,1Ø w/Plastic Mag Reed Sw, Surf Mntd, 1HP max
J0133	Kit,Controller, Walk-in Installation, LPV236-72, Adj.TD, 208-277V, w/ Plas. Surface Mntd Mag. Reed Switch, 1/6HP
Industrial Type	
J0724	Kit, Controller, Industrial, Adj TD(6s-20m), 115V,1Ø w/Metal Mag Reed Sw, Floor Mntd, 1HP max
J0720	Kit, Controller, Industrial, Adj TD(6s-20m), 115V,1Ø w/Metal Mag Reed Sw, Surf Mntd, 1HP max
J0721	Kit, Controller, Industrial, Adj TD(6s-20m), 208-277V,1Ø w/Metal Mag Reed Sw, Surf Mntd, 1HP max
J0725	Kit, Controller, Industrial, Adj TD(6s-20m), 208-277V, 1Ø w/Metal Mag Reed Sw, Floor Mntd, 1HP max

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)

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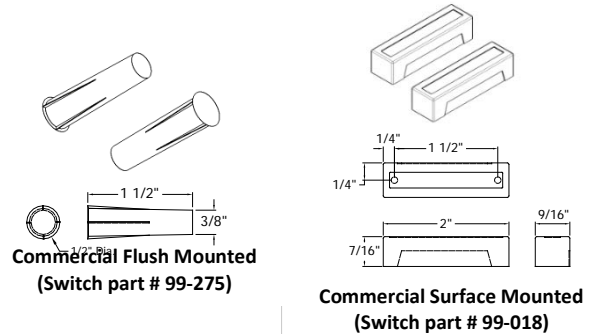## Commercial and Industrial Models

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
- o Flush Mounted (99-275) and Surface Mounted Wired (99-018) available
- o Wiring terminals provided in reed switches (field wired by others)
- o Maximum amperage rating is 1/2A
- o Durable white plastic construction
- o Available for 115V and 208-277V, 1∅ power only with 24V control

**Commercial Flush Mounted
(Switch part # 99-275)**

**Commercial Surface Mounted
(Switch part # 99-018)**

Reed Switch Decorative Cover

Reed Switch (Mount to door jamb)

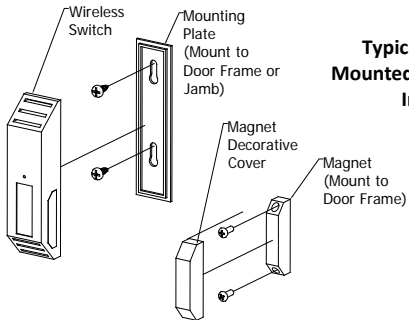Magnet (Mount to door)

Magnet Decorative Cover
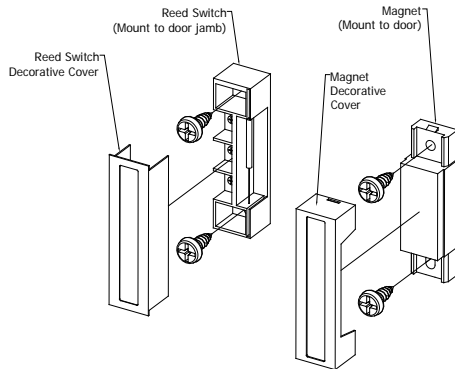
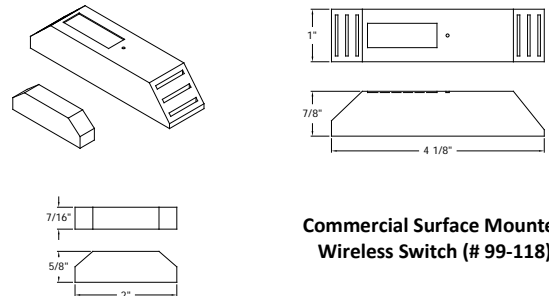**Typical Commercial Surface Mounted Switch (99-018) Installation Shown**

Wireless
- o Surface Mounted Wireless Reed Switch (99-118)
- o Reed mounted solar panel charges internal battery
- o Maximum amperage rating is 2A
- o Durable white plastic construction
- o Available for 115V and 208-277V, 1∅ power only with 24V control

Wireless Switch

Mounting Plate (Mount to Door Frame or Jamb)

Magnet Decorative Cover
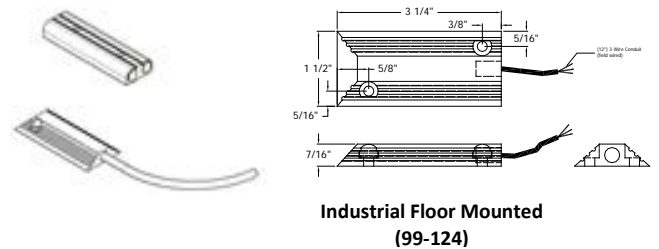
Magnet (Mount to Door Frame)

Typical Commercial Surface Mounted Wireless Switch (99-118) Installation Shown

Commercial Surface Mounted Wireless Switch (# 99-118)

*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.

**Industrial Floor Mounted
(99-124)**

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MARS AIR SYSTEMS, LLC ● GARDENA, CA ● USA

## Commercial and Industrial Models

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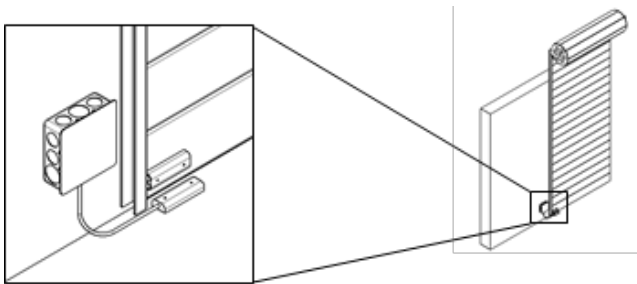
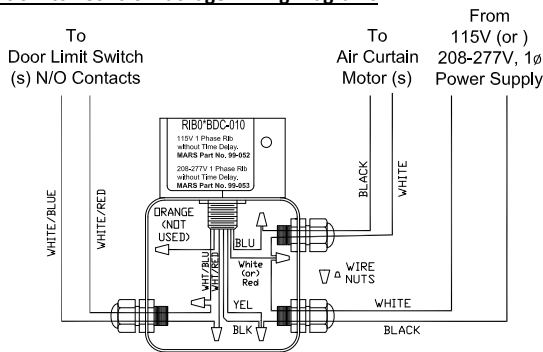**Typical Industrial Floor Mounted (99-124) Installation Shown**
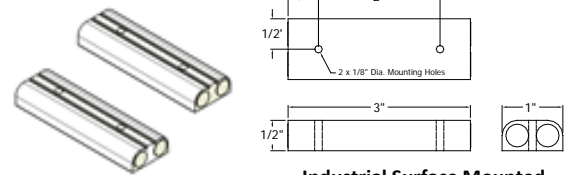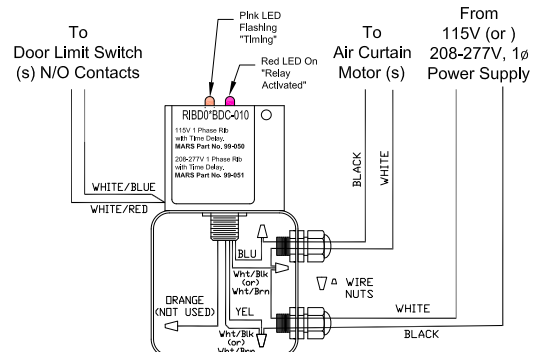

Industrial Surface Mounted (99-125)

Options and Accessories: (see Accessories Brochure)

❖   Factory wiring available (specify lead lengths)
❖   Industrial Types may be use with optional Motor Control Panels (MCP*-**)
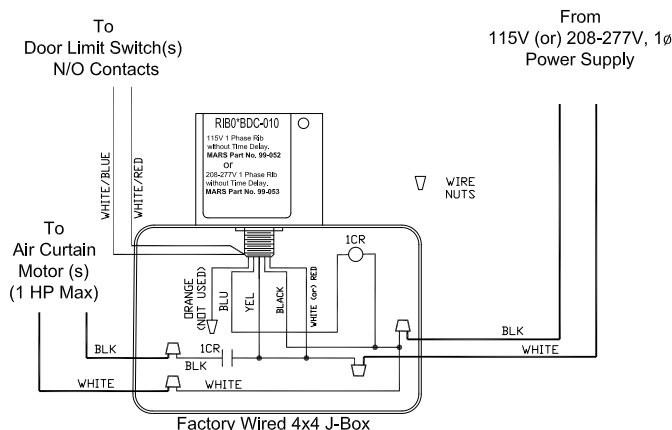
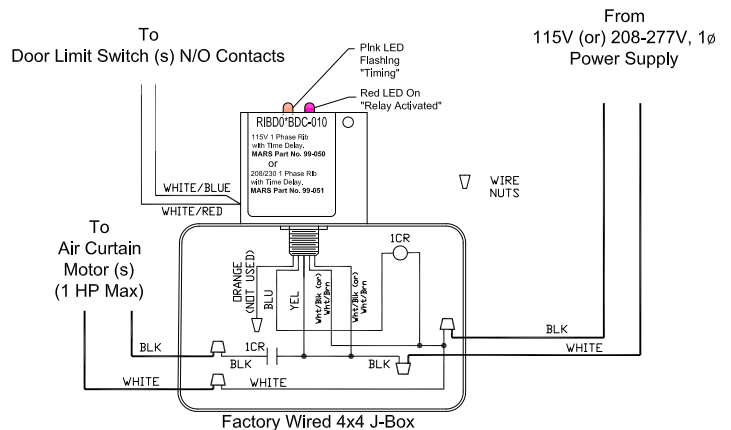**Magnetic Switch Control Package Wiring Diagrams**

Kit J0023, J0024, J0032, J0033
Power Supply:
115V: Blk, Wht
208-277V, 1PH: Blk, Red

Kit J0021, J0101, J0028, J0132, J0022, J0029 & J0133
Power Supply:
115V: Wht/Blk, Wht/Blk
208-277V, 1PH: Wht/Brn, Wht/Brn

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

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

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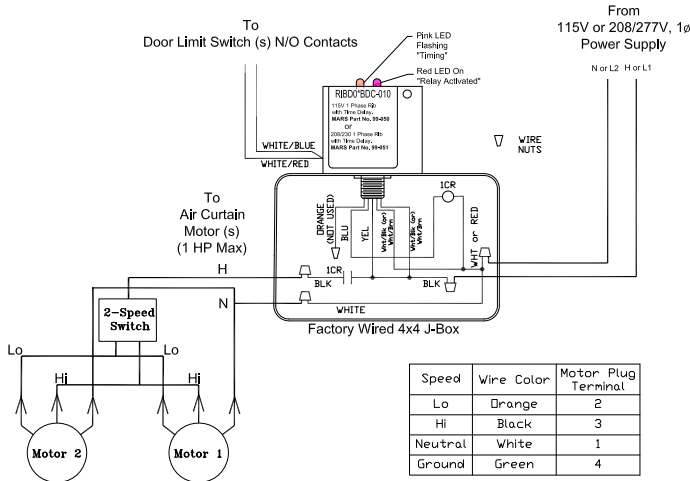
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Kit J0703, J0704, J0720, J0721, J0724 & J0725 Diagrams with 2-Speed Switch

Speed	Wire Color	Motor Plug Terminal
Lo	Orange	2
Hi	Black	3
Neutral	White	1
Ground	Green	4

Note:
Controller Kit J0703, J0720 and J0724 require 115V, 1Ø power and Controller Kit J0704, J0721 and J0725 require 208/277V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.
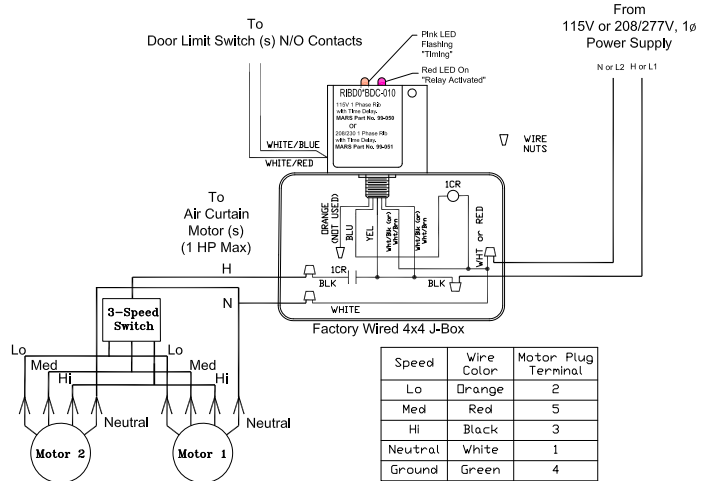
Kit J0703, J0704, J0720, J0721, J0724 & J0725 Diagrams with 3-Speed Switch

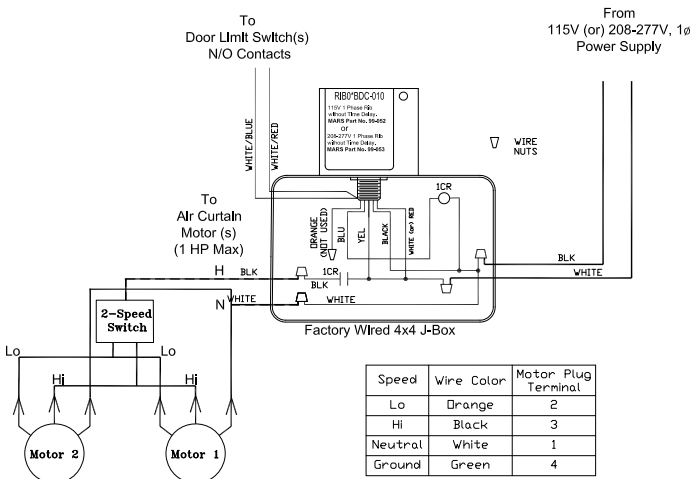| Speed	Wire Color	Motor Plug Terminal
Lo	Orange	2
Med	Red	5
Hi	Black	3
Neutral	White	1
Ground	Green	4

Note:
Controller Kit J0703, J0720 and J0724 require 115V, 1Ø power and Controller Kit J0704, J0721 and J0725 require 208/277V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

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

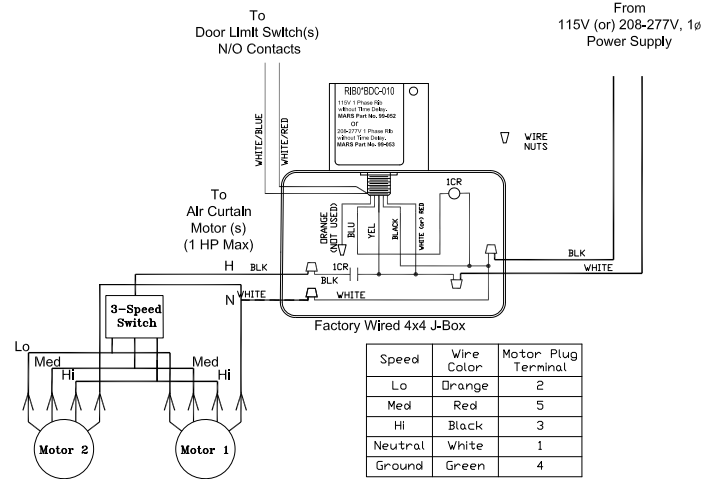| Speed	Wire Color	Motor Plug Terminal
Lo	Orange	2
Hi	Black	3
Neutral	White	1
Ground	Green	4

Note:
Controller Kit J0703, J0720 and J0724 require 115V, 1Ø power and Controller Kit J0704, J0721 and J0725 require 208/277V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

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

Speed	Wire Color	Motor Plug Terminal
Lo	Orange	2
Med	Red	5
Hi	Black	3
Neutral	White	1
Ground	Green	4

Note:
Controller Kit J0703, J0720 and J0724 require 115V, 1Ø power and Controller Kit J0704, J0721 and J0725 require 208/277V, 1Ø power to operate properly. The controllers are wired the same, but are not interchangeable.

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