Solid State (RIB) Control Packages

Commercial and Industrial Models
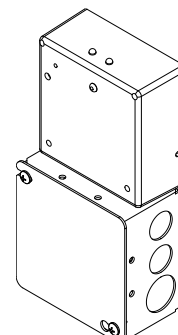
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atmosphere is everything

	Voltage	Motor HP Rating	Door Switch	Part Number	Description
			Single Phase		
No Time Delay	115v 1Ø	1/2 HP	99-018	J0023	Kit, Controller, Commercial, No TD, 115v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1/2HP max
			99-125	J0036	Kit, Controller, Industrial, No TD, 115v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1/2HP max
			99-124	J0100	Kit, Controller, Industrial, No TD, 115v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1/2HP max
		1 HP	99-018	J0705	Kit, Controller, Commercial, No TD, 115v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1HP max
			99-125	J0722	Kit, Controller, Industrial, No TD, 115v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1HP max
			99-124	J0726	Kit, Controller, Industrial, No TD, 115v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1HP max
	208-230v 1Ø	1/2 HP	99-018	J0024	Kit, Controller, Commercial, No TD, 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1/2HP max
			99-125	J0037	Kit, Controller, Industrial, No TD, 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1/2HP max
			99-124	J0104	Kit, Controller, Industrial, No TD, 208-230v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1/2HP max
		1 HP	99-018	J0706	Kit, Controller, Commercial, No TD, 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1HP max
			99-125	J0723	Kit, Controller, Industrial, No TD, 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1HP max
			99-124	J0727	Kit, Controller, Industrial, No TD, 208-230v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1HP max
			Three Phase		
	208-230v 3Ø	1 HP	99-018	J0760	Kit, Controller, Commercial, No TD, 208-230v/3Ø, Mag Reed Sw, Surf Mntd (99-018), 1HP max
			99-014	J0763	Kit, Controller, Commercial, No TD, 208-230v/3Ø, Limit Sw, Roller/Plunger (99-014), 1HP max
			99-125	J0761	Kit, Controller, Industrial, No TD, 208-230v/3Ø, Mag Reed Sw, Surf Mntd (99-125), 1HP max
			99-124	J0762	Kit, Controller, Industrial, No TD, 208-230v/3Ø, Mag Reed Sw, Floor Mntd (99-124), 1HP max
			Single Phase		
Adjustable Time Delay	115v 1Ø	1/2 HP	99-018	J0021	Kit, Controller, Commercial, Adj TD (6s-20m), 115v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1/2HP max
			99-014	J0028	Kit, Controller, Commercial, Adj TD (6s-20m), 115v/1Ø, Limit Sw, Roller/Plunger (99-014), 1/2HP max
			99-125	J0038	Kit, Controller, Industrial, Adj TD (6s-20m), 115v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1/2HP max
			99-124	J0102	Kit, Controller, Industrial, Adj TD (6s-20m), 115v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1/2HP max
		1 HP	99-018	J0703	Kit, Controller, Commercial, Adj TD (6s-20m), 115v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1HP max
			99-014	J0708	Kit, Controller, Commercial, Adj TD (6s-20m), 115v/1Ø, Limit Sw, Roller/Plunger (99-014), 1HP max
			99-125	J0720	Kit, Controller, Industrial, Adj TD (6s-20m), 115v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1HP max
			99-124	J0724	Kit, Controller, Industrial, Adj TD (6s-20m), 115v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1HP max
	208-230v 1Ø	1/2 HP	99-018	J0022	Kit, Controller, Commercial, Adj TD (6s-20m), 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1/2HP max
			99-014	J0029	Kit, Controller, Commercial, Adj TD (6s-20m), 208-230v/1Ø, Limit Sw, Roller/Plunger (99-014), 1/2HP max
			99-125	J0042	Kit, Controller, Industrial, Adj TD (6s-20m), 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1/2HP max
			99-124	J0106	Kit, Controller, Industrial, Adj TD (6s-20m), 208-230v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1/2HP max
		1 HP	99-018	J0704	Kit, Controller, Commercial, Adj TD (6s-20m), 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-018), 1HP max
			99-014	J0709	Kit, Controller, Commercial, Adj TD (6s-20m), 208-230v/1Ø, Limit Sw, Roller/Plunger (99-014), 1HP max
			99-125	J0721	Kit, Controller, Industrial, Adj TD (6s-20m), 208-230v/1Ø, Mag Reed Sw, Surf Mntd (99-125), 1HP max
			99-124	J0725	Kit, Controller, Industrial, Adj TD (6s-20m), 208-230v/1Ø, Mag Reed Sw, Floor Mntd (99-124), 1HP max
			Three Phase		
	208-230v 3Ø	1 HP	99-018	J0764	Kit, Controller, Commercial, Adj TD (6s-20m), 208-230v/3Ø, Mag Reed Sw, Surf Mntd (99-018), 1HP max
			99-014	J0767	Kit, Controller, Commercial, Adj TD (6s-20m), 208-230v/3Ø, Limit Sw, Roller/Plunger (99-014), 1HP max
			99-125	J0765	Kit, Controller, Industrial, Adj TD (6s-20m), 208-230v/3Ø, Mag Reed Sw, Surf Mntd (99-125), 1HP max
			99-124	J0766	Kit, Controller, Industrial, Adj TD (6s-20m), 208-230v/3Ø, Mag Reed Sw, Floor Mntd (99-124), 1HP max

Features:
- ❖ UR (UL Recognized) and rated for NEMA 1 (field installed by others)
- ❖ Solid State Controller package allows the air curtain to work with mechanical or magnetic door switch
- ❖ Time delay option – Field adjustable (6s-20m). Time delay keeps the air curtains ON after door closes.
- ❖ Used when low voltage automatic control of an air curtain(s) is required
- ❖ Compact control package for limited space installations
- ❖ Lightweight and easy to install
- ❖ 1 year parts warranty

**Controller with Adjustable Time Delay
(Controller part # 99-050 & 99-051)**
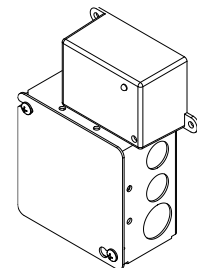
**Controller without Time Delay
(Controller part # 99-052 & 99-053)**

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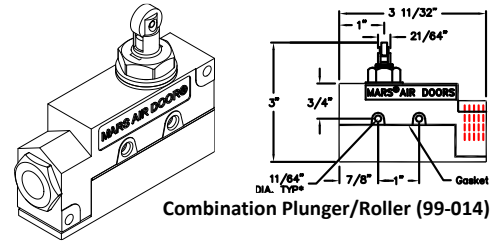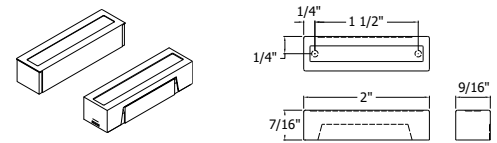# Solid State (RIB) Control Packages

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.

o   Combination Plunger/Roller Switch (99-014)
  ▪   Rated for NEMA 1 applications (field installed by others)
  ▪   Rated up to 250Vac
  ▪   Maximum amperage rating is 20A
  ▪   Three terminals provided (field wired by others)
  ▪   Single pole (1P) switch with normally closed (NC) and normally opened (NO) contacts
  ▪   Requires less than 1/8" of travel and 2 lbs. of force on plunger to activate switch
o   Surface Mounted Magnetic Reed Switch (99-018)
  ▪   Rated for NEMA 1 applications (field installed by others)
  ▪   Rated up to 24Vac
  ▪   Maximum amperage rating is 1/2A
  ▪   Three terminals provided (field wired by others)
  ▪   Single pole (1P) switch with normally closed (NC) and normally opened (NO) contacts
  ▪   Maximum acceptable gap of 1/8" distance (commercial) between magnet and reed to activate switch
  ▪   Durable white plastic construction
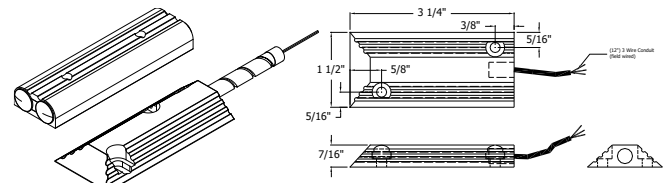 ▪   Reed and Magnet have sleek compact design

Industrial Type

o   Floor Mounted (99-124) and Surface Mounted (99-125) Magnetic Reed Switch
  ▪   Rated for NEMA 1 applications (field installed by others)
  ▪   Rated up to 120Vac
  ▪   Maximum amperage rating is 3A
  ▪   12" conduit leads provided (field wired by others)
  ▪   Green wire is normally open (NO), red wire is normally closed (NC), and white is common (COM)
  ▪   Maximum acceptable gap of 1/2" (industrial) between magnet and reed to activate switch
  ▪   Heavy duty extruded aluminum construction

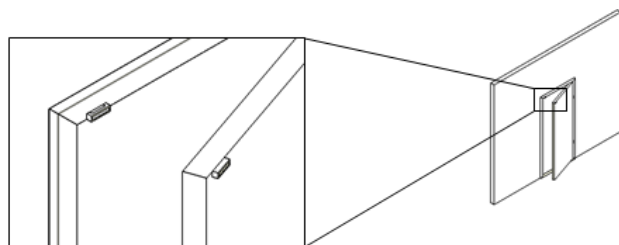### Options and Accessories: (see Accessories Brochure)

❖   MTD-ACC, Factory mounted RIB control package
❖   RMT-*, *2S – Two speed or *3S – Three speed control (1Ø only)
❖   RMT-VS†, Variable speed control (†A – 115v/1Ø or †D – 208-240v/1Ø)

Combination Plunger/Roller (99-014)

Commercial Surface Mounted (Switch part # 99-018)

Reed Switch (Mount to door jamb) · Reed Switch Decorative Cover · Magnet (Mount to door) · Magnet Decorative Cover
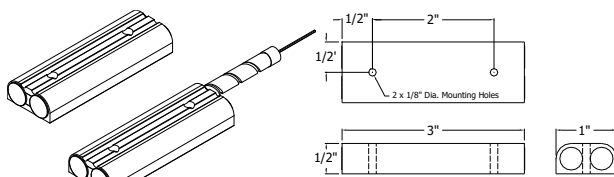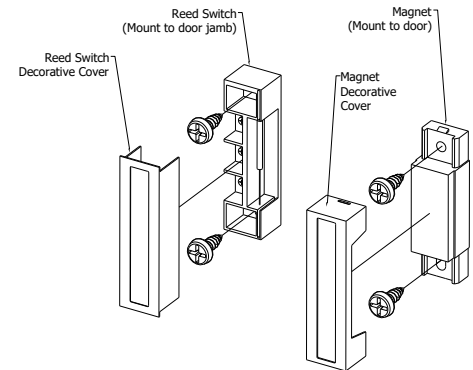
Industrial Surface Mounted (99-125)

Industrial Floor Mounted (99-124)

Typical Commercial Surface Mounted Switch (99-018) Installation Shown
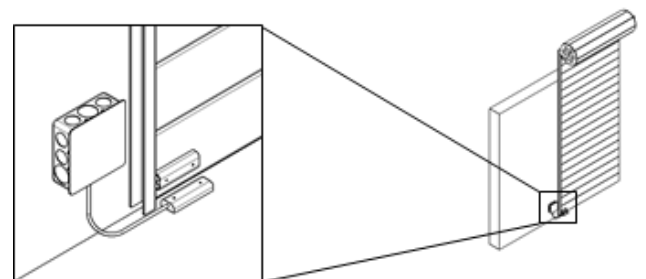
Typical Industrial Floor Mounted (99-124) Installation Shown

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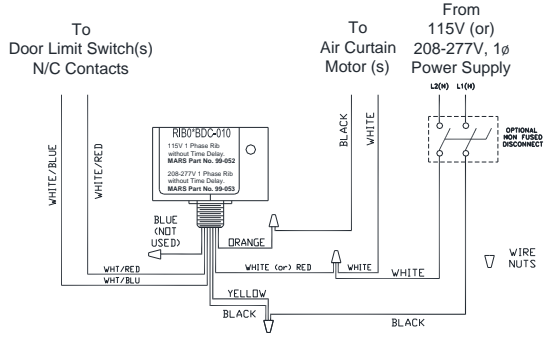
Solid State (RIB) Control Packages

![mars logo]

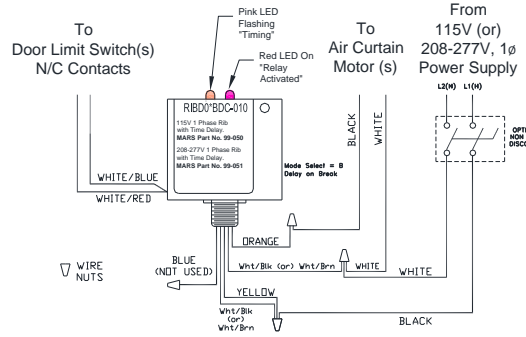## Commercial and Industrial Models

Wiring Diagrams:

RIB Kit Rating:
- 115v or 208-230v
- 1/2 HP Max

RIB Kit Part Numbers:
- 115v/1ø
  -- J0023, J0036, J0100
- 208-230v/1ø
  -- J0024, J0037, J0104

Note:
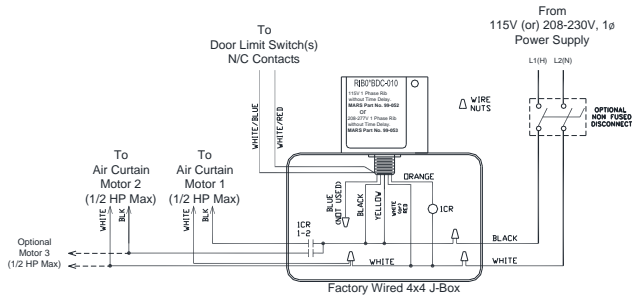The controllers are wired the same, but are not interchangeable.

RIB Kit Rating:
- 115v or 208-230v
- 1/2 HP Max
- Adjustable Time Delay

RIB Kit Part Numbers:
- 115v/1ø
  -- J0021, J0028, J0038, J0102
- 208-230v/1ø
  -- J0022, J0029, J0042, J0106

Note:
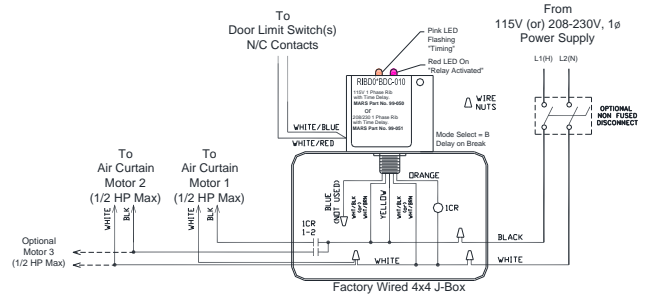The controllers are wired the same, but are not interchangeable.

RIB Kit Rating:
- 115v or 208-230v
- 1 HP Max

RIB Kit Part Numbers:
- 115v/1ø
  -- J0705, J0722, J0726
- 208-230v/1ø
  -- J0706, J0723, J0727

Note:
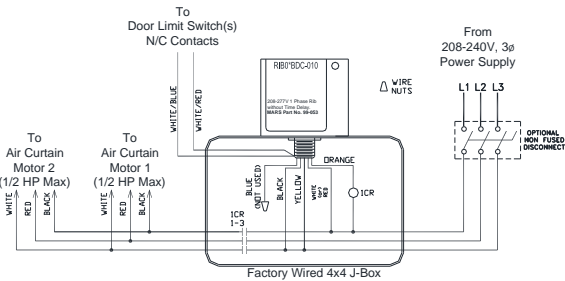The controllers are wired the same, but are not interchangeable.

RIB Kit Rating:
- 115v or 208-230v
- 1 HP Max
- Adjustable Time Delay

RIB Kit Part Numbers:
- 115v/1ø
  -- J0703, J0708, J0720, J0724
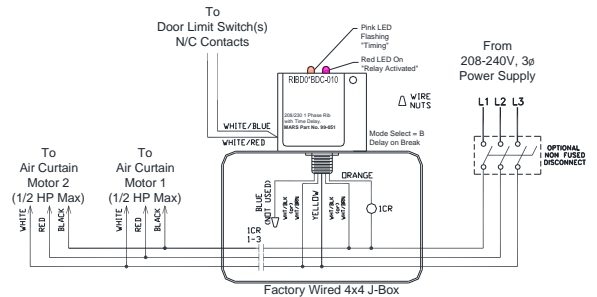- 208-230v/1ø
  -- J0704, J0709, J0721, J0725

Note:
The controllers are wired the same, but are not interchangeable.

RIB Kit Rating:
- 208-230v/3ø
- 1 HP Max

RIB Kit Part Numbers:
- 208-230v/3ph
  -- J0760, J0761, J0762

RIB Kit Rating:
- 208-230v/3ø
- 1 HP Max
- Adjustable Time Delay

RIB Kit Part Numbers:
- 208-230v/3ph
  -- J0767, J0764, J0765, J0766

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