BIFOLD DOOR SYSTEMS

TWO PANEL
FOUR PANEL

Installation Manual
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AREA PREPARATION

Caulk Clearance 1/4"  
Top of Masonry Opening  
Header/Operator  
M.O. = Pkg Height Plus 1/4"  
Finished Floor  
PACKAGE MOUNTED IN PREPARED MASONRY OPENING  

MASONRY OPENING  
Std. Door Opening Under Header  
Top of Masonry Opening  
92" Std.  
Finished Floor  
PACKAGE SURFACE MOUNTED

1. Check Floor across online opening.  
2. Fill any low areas to level condition.  
3. Allow for Gin, terrazzo, etc., when determining finished floor.

FINISHED FLOOR

BIFOLD AND BREAKOUT CONFIGURATIONS

4 PANEL  
2 PANEL  
LH OPERATOR  
2 PANEL  
RH OPERATOR

STANDARD FROM FACTORY  
FOLD OUT INTERIOR COVER  
FOLD OUT INTERIOR COVER  
FOLD OUT INTERIOR COVER

FOLD IN INTERIOR COVER  
FOLD IN INTERIOR COVER  
FOLD IN INTERIOR COVER

FOLD OUT EXTERIOR COVER  
FOLD OUT EXTERIOR COVER  
FOLD OUT EXTERIOR COVER

FOLD IN EXTERIOR COVER  
FOLD IN EXTERIOR COVER  
FOLD IN EXTERIOR COVER

* INDICATES BREAKOUT DIRECTION
BIFOLD
BREAKOUT (change direction)

IMPORTANT: REFER TO PAGE 3 FOR BIFOLD AND BREAKOUT CONFIGURATIONS

1. The doors may be installed with breakout in either direction. The TWO PANEL and the FOUR PANEL direction change is accomplished differently.

2 PANEL
a. Remove the stop strip and rotate it as shown. Note the countersink is provided on both sides for ease of installation. If rotated in this direction new mounting holes will not have to be drilled.

b. The doors will now breakout in the opposite direction.

4 PANEL
a. Rotate the entire track extrusion, as shown. The holes are all symmetrical, therefore, there should not be a need to drill mounting holes.

b. The doors will now breakout in the opposite direction.

NOTE:
The standard factory setting is -- breakout away from the header cover.

IMPORTANT: REFER TO PAGE 3 FOR BIFOLD AND BREAKOUT CONFIGURATIONS
Loosen header cover screws. One screw in each end of header.

Use handle pull to remove header cover.

1. Header mounting brackets are preassembled at the factory.

2. Slide jamb, with mounting bracket facing the open end of the header, into the header.

3. Secure header to bracket with screws provided.

4. The header contains the operators and control interface boards. Position all wires away from pinch points.

5. Run wire down the jamb for the on/off/hold-open switch.

6. Lift header and jamb assembly into the opening. Be sure the cover side of the assembly is positioned in the desired direction.
INSTALL BOTTOM PIVOT(S)

Place pivot threshold plate(s) on centerline of jamb.

Secure plate to the floor with proper fasteners.

ELECTRICAL CONNECTION

1. Connect power through the ribbon cable.

IMPORTANT:
  Install grounding lugs with screws and lockwashers provided.

2. Turn power on, jump the signal terminals. (common and operate)

3. The operator spindle will rotate to the full open position.

4. Install the spindle extension and the door arm.
   Temporarily install the door arm in its highest position on the spindle extension.
   Secure with clamping screws.

5. Position the door arm in the 90 degree full open position.
1. Remove continuous hinge screw cover(s). Loosen the set screws and slide the cover off the length of the hinge.

2. Place the heel of the door on the bottom pivot.

3. Straighten the door to the upright position. Guide the door arm into the top web of the door.

4. Loosen the door clamping screws, allowing the door arm to drop down on the top web.

5. Secure the door arm with the three flat head screws provided.

6. Secure bottom pivot with screw provided.
1. Adjust the bottom pivot to allow approximately 5/16" clearance at the bottom of the door. Tighten the door arm clamping screws.

**SUGGESTION:**
Use Plumb Bob (string with pointed weight at the end) to align doors. Position plumb bob on centerline of the header. Align lead edge of the door(s) with the string.

**DOOR ALIGNMENT**

1. Door adjustment is made at the continuous hinge.

2. The hinge mounting holes are slotted to allow adjustment to eliminate any gap at the lead edge of the door(s). This takes care of the vertical alignment.
3. The door edge bumper and shims will take care of the surface to surface alignment of the door(s). Add or subtract shims as shown to allow the panels to close flat. Hinge and shim adjustment should be made at the same time.

4. **BREAKOUT ADJUSTMENT**

The breakout mechanism is located in the top web of the lead panel. The up and down tension adjustment is made by adjusting four *jacking screws*. As a guide, the top of the door should be approximately 1/32" from the surface of the track.
BIFOLD
COMPONENT IDENTIFICATION

1 OPERATOR  5 INTERFACE BD.  9 SENSOR HSNG.  13 MICRO SW (NOT WIRED)
2 BASE PLATE  6 CNTR. BLOCK ASM.  10 CLOSE SPEED ADJ.  14 CLOSE SPEED ADJ.
3 TIMER ISOLATER  7 CONTROL BOX  11 OPEN CHECK CAM
4 BO. BEAM CNTL.  8 OPERATOR  12 CLOSE CHECK CAM

TUNE-IN AND ADJUSTMENT

POWER SWITCH CONNECTOR
120 VAC CONNECTOR

MODE SELECTOR:
(OPERATION MODES WITH SWITCH ON):
1= LOCK DELAY OFF  2= POWER CLOSE OFF  3= M/TOUCH ON
4= AUTO PWR CLOSE CANCEL OFF FACTORY SETTINGS: ON

SIGNAL CONNECTION
OP - CM OPERATE CONTACT  SF - CM SAFETY CONTACT
(CARPET LOGIC)
AC - CM 24 VAC TO RADIO CONTROL
BO - CM BREAKOUT CONTACT
OR REMOTE POWER CLOSE CANCELING SWITCH (N.C.)

BREAKOUT FUNCTION SELECTOR
A= BREAKOUT MODE  B= POWER CLOSE CANCEL MODE

FUSE I A SLOW
OUTPUT ADJUSTMENTS:
0= OPENING  CK= OPEN CHECK
ST= STALL ADJUSTER  LED INDICATOR: ON WHEN IN STALL
SENSITIVITY:
OPERATE TIMER:
TD1= OPERATE CONTACT
TD2= MAGIC-TOUCH
POWER CLOSE ADJUST:
LVL= FORCE LEVEL  TD3= ENABLE TIMER
TD4= AUTO CANCEL TIMER

CONNECTOR HARNESS TO OPER.

OPERATOR CONTROL BOX
SWITCH IN CLOSED DOOR POSITION

FOR COMPLETE WIRING DIAGRAM SEE PAGE 11