

**SUPERSEAL**

**ATMODOOR**



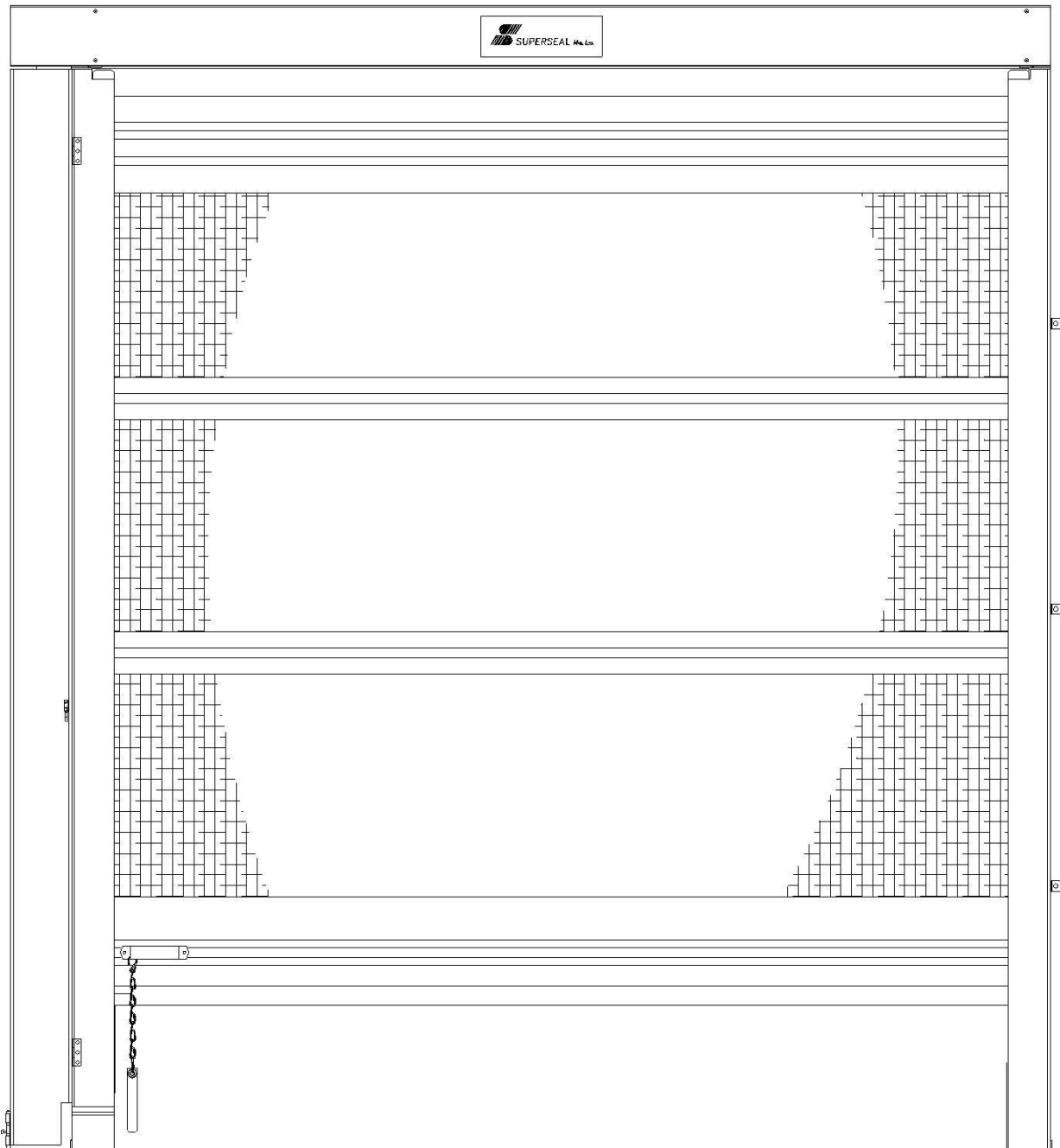
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## Series 8000BUG – Super Screen Roll Door

### SURFACE FLUSH MOUNT

Includes Between Jamb Mount

## INSTALLATION INSTRUCTIONS



## Series 8000BUG – Super Screen Roll Door

### INSTALLATION LISTS

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THE FOLLOWING LISTS COVER BASIC INSTALLATION, NOT INCLUDING OPTIONS OR ELECTRICAL

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#### Components List

No.		Qty.
1	Uprights	2
2	Fabric Roll	1
3	Counterweight Cover	1
4	Counterweight	1
5	Canopy Cover	1
6	Hardware Bag	1
7	Installation Instructions	1

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#### Hardware Supplied List

No.		Qty.
1	5/16" Locknuts	4 (1 extra)
2	1/4" Washers	4 (1 extra)
3	Pop Rivets	10 (3 extra)

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#### Recommended Tools List

Tape Measure
Level
Pencil or Marker
Square
Power Drill
Hammer Drill
3/8" Masonry Drill Bit - 3/16 HSS Drill Bit

Pliers
Socket Set – Standard (Imperial)
Wrench Set – Standard (Imperial)
Hammer
Knife or Scissors
Pop Rivet Gun

## Series 8000BUG – Super Screen Roll Door

### SURFACE FLUSH MOUNT INSTALLATION INSTRUCTIONS

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READ ALL INSTRUCTIONS BEFORE INSTALLING DOOR. SUPER SEAL MFG. LTD. WILL NOT BE HELD RESPONSIBLE FOR IMPROPER INSTALLATION OF ANCHORING DEVICES, OR FOR INSTALLATION INTO AGED OR UNSOUND CONCRETE, CONCRETE BLOCK, OR OTHER WALL OR FLOOR MATERIAL WHICH MAY RESULT IN PREMATURE PRODUCT WEAR, PRODUCT FAILURE, PROPERTY DAMAGE, OR PERSONAL INJURY.

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#### 1. Check Order

- a. **Determine door placement.**
  - The door should be installed flush to the wall or other surface.
  - **NOTE IF DOOR IS TO BE INSTALLED AROUND EXISTING DOORS OR OTHER OBJECTS.**
- b. **Measure door position height and width.** Compare to Purchase Order.
  - Always measure the 8000Bug door opening width from the Inside Edge of the left Side Frame to the Inside Edge of the right Side Frame.

**NOTE: CHECK WITH DEALER FOR 8000BUG DOOR PLACEMENT. CAREFULLY MATCH PRODUCT TAGS AND LABELS TO EXISTING DOORS.**

- c. **Check Components List and Hardware Supplied List.** Make sure all components and hardware are present.
- d. **Check Recommended Tools List.** Make sure all recommended tools are available.
- e. **Determine method of mounting Uprights Legs to wall.** Examine wall construction and decide whether to use concrete anchors, use threaded rod, or use another fastening technique. This door must be securely fastened to the wall.
  - **The Customer must supply mounting hardware.**
  - **WELDING THE DOOR TO THE WALL IS NOT RECOMMENDED.**
- f. **Installation Recommendations:**
  - Use serviceable locktight for all fasteners.

**2. Prepare Door Frame**

a. **Ensure there is enough space** to access mounting components

- 4'' wide side frame shown in Figure 1a.
- 6'' wide side frame shown in Figure 1b.

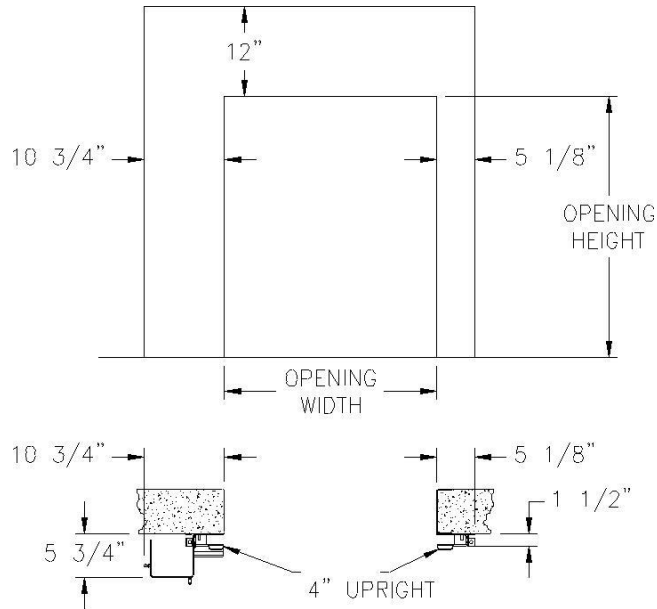


FIG. 1A

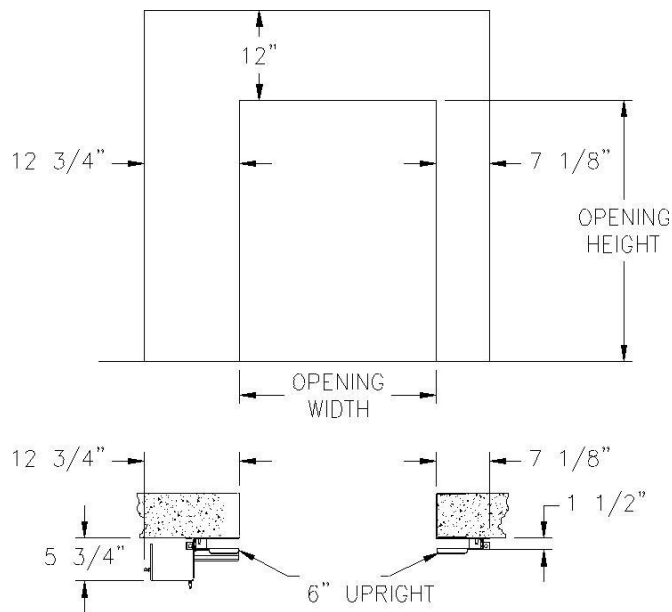


FIG. 1B

### 3. Position Side Frames

**NOTE: ALWAYS MEASURE THE DOOR OPENING WIDTH FROM THE INSIDE EDGE OF THE LEFT SIDE FRAME TO THE INSIDE EDGE OF THE RIGHT SIDE FRAME (FIGURE 2A).**



FIG. 2A

a. **Choose door Mounting:**

- Flush to wall and to Door Jamb;
- Flush to wall and or to other surface.
- Between the Jambs

b. **Mount Flush to wall and to Door Jamb.**

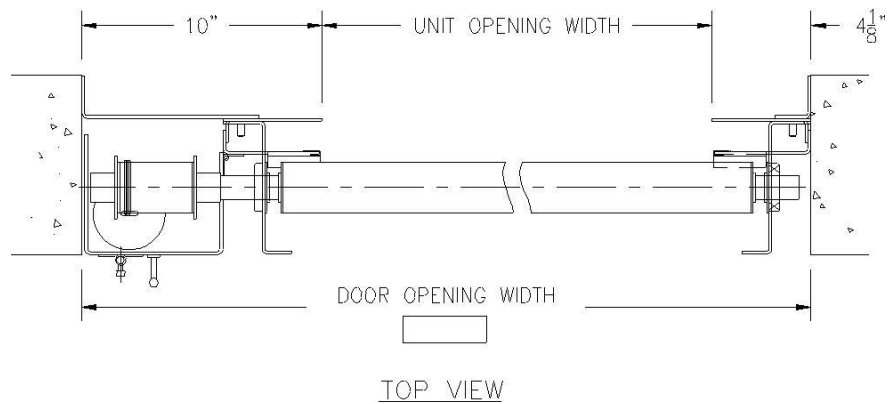
- **Align Inside Edge** of right Side Frame with right side of the Door Jamb (Figure 2a).
- **Clamp** Side Frame to Door Jamb.
- **Make sure Side Frame is plumb and level** (Figure 2b).
- **Repeat** for left Side Frame.

c. **Mount Flush to wall or to other surface.**

- **Measure door opening** along wall or other surface.
  - \* Avoid any obstructions.
- **Mark wall** for right and left sides.
- **Align Inside Edge** of right Side Frame with mark for right side.
- **Temporarily secure** right Side Frame to wall or to other surface.
- **Make sure Side Frame is plumb and level** (Figure 2b).
- **Repeat** for left Side Frame.

d. **Mount between the jambs.**

- **Secure right Side Frame to Jamb. Make sure Side Frame is plumb and level.**
- **Repeat** for left Side Frame.



### 4. Attach Side Frames

a. **Check both Side Frames for plumb, level, and square (Figure 2b).**

- **Shim**, if necessary.

b. **Fasten top of Side Frames to wall or surface using holes in mounting angles (Figure 2c).**

**NOTE: THIS DOOR MUST BE PLUMB, LEVEL, AND SQUARE IN ORDER TO WORK PROPERLY.**

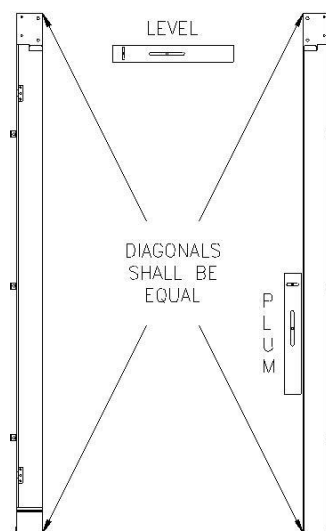


FIG. 2B

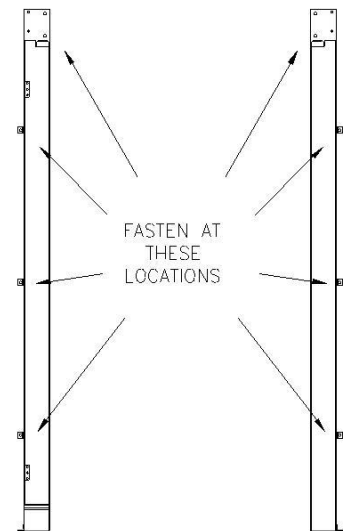


FIG. 2C

## 5. Install Fabric Roll

### a. Position Fabric Roll

- **Fabric should fall down the BACK of the Fabric Roll.**
- The Cable Spool will then be on the Counterweight Side Frame.

### b. Mount Fabric Roll.

- **Lift** Fabric Roll onto Fastening Studs (Figure 3).
- **Secure** with locknuts and flat washers.

### c. Attach Counterweight.

- **Unwrap cable from Cable Spool.**
  - \* Leave two wraps of cable on Cable Spool.
- **Attach Counterweight to “S” hooks** on end of cable.
  - \* **DO NOT CLOSE “S” hooks** around ring on Counterweight at this time.

### d. Insert Bottom Bar.

- **Remove Roll Retaining Straps** from Fabric Roll.
- **Pull door down** with the Pull Chain.
- **Insert Bottom Bar.**

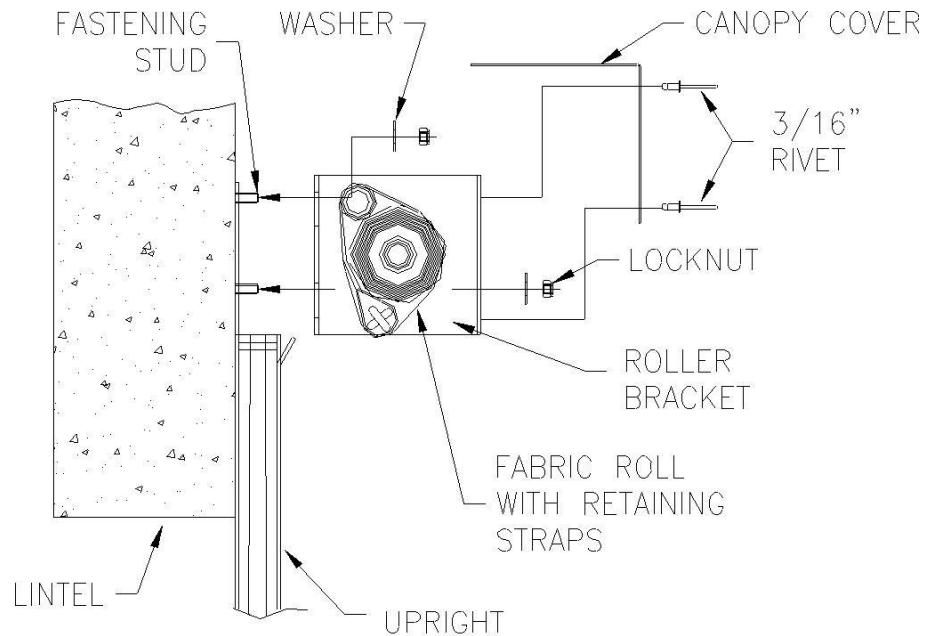


FIG. 3

## 6. Position Counterweight

- Raise and lower the door** several times.
- Open the Door** fully.
  - The Counterweight should not touch the floor.
- Close the Door** fully.
  - The Counterweight should not touch the Mounting Bracket.
- Adjust Counterweight position** by winding or unwinding the cable on the spool, if required.
  - The cable length increases or decreases by **6” per wrap.**
- Close the “S” hooks** around the ring on the Counterweight.

## 7. Check Bottom Bar

- The Bottom Bar should reach the Locking Plate** when the door is fully closed.
- If the Bottom Bar does not reach the Locking Tab, **raise the Fabric Roll on that side.**
  - Use the slotted holes on the Mounting Plates into the Side Frame track.
- When properly adjusted, the **Fabric should collect itself nicely onto the Fabric Roll** as the door is raised.

## 8. Install Canopy Cover

- a. **Install Canopy Cover on top of Fabric Roll.**
  - Make sure that the Canopy covers the full unit width.
- b. **Attach Canopy Cover** onto each Roller Bracket (Fig. 3).
  - Attach at two places on each side.
  - Use rivets provided.
- c. **Install Back Canopy cover** if installing door between the jambs.

## 9. Install Counterweight Cover

- a. **Position the Counterweight Cover 1/2" above the floor** (Figure 4).
  - **Line up the outside edge** of the Counterweight Cover with the Canopy Cover.
- b. **Attach Counterweight Cover.**
  - **Drill 3/16" holes** through leaf hinges into Side Frame.
  - **Insert rivets.**
- c. **Secure Counterweight Cover with Bolt Latch.**
  - **Mark the Bolt Latch position** on the floor.
  - **Drill a 3/8" x 3/4" deep hole** into floor for Bolt Latch.
  - **Secure Bolt Latch** in hole.

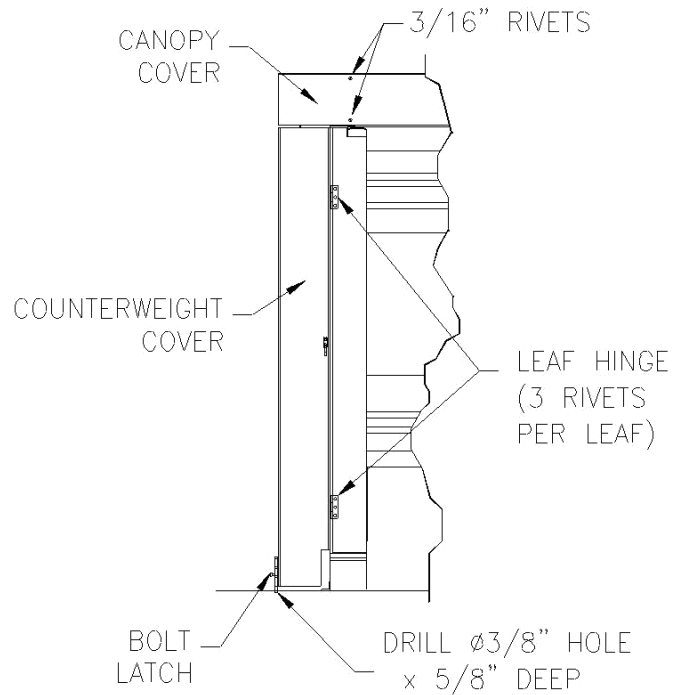
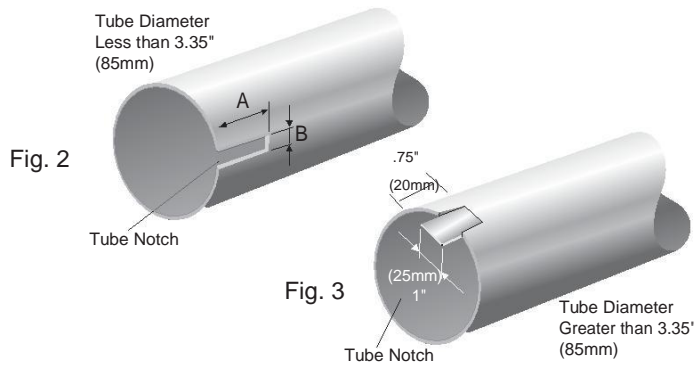
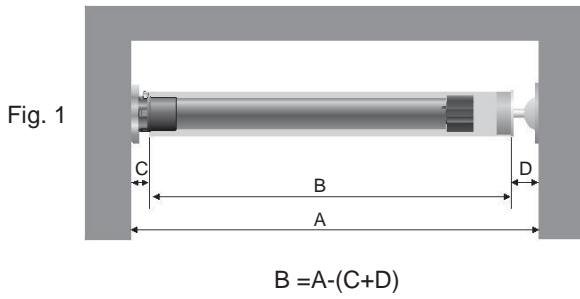
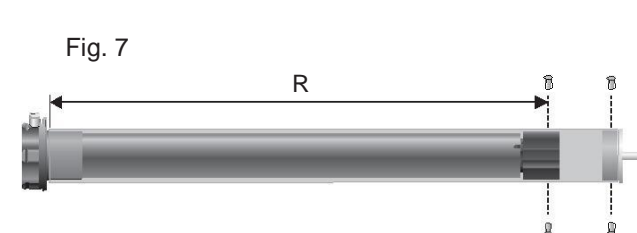
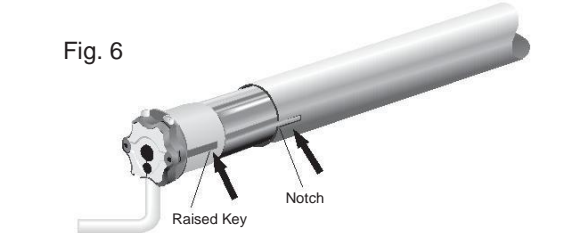
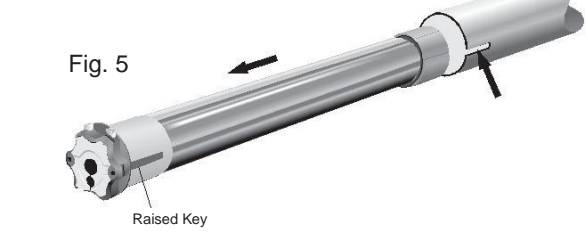
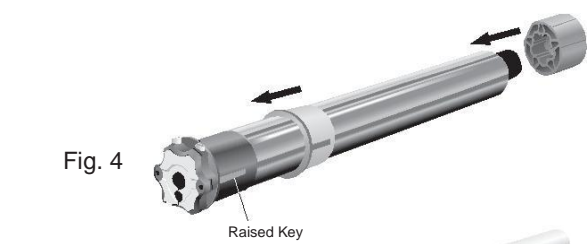


FIG. 4

# LT50/60 Motor Installation Instructions



**Notch:** LT50 Length = 25 mm      Width = 4 mm  
 LT60            35 mm                              8 mm



## 1. TUBE PREPARATION

Cut the tube to the required length (B), taking into account the width of the installation (A), the motor end clearance (C), and the idler end clearance (D). (See Fig. 1)  
**USE FORMULA TO DETERMINE MEASUREMENTS.**

Remove all burrs from the ends of the tube and ensure that the inside of the tube is clean.

For all round tube sizes up to 3.35" (85 mm) inclusive, notch the tube on the motor end to the dimensions A & B. (See Fig. 2)

For all tubes over 3.35" (85 mm) form a tongue in the motor end of the tube by making two cuts 1" (25 mm) apart and .75" (20 mm) deep. (See Fig. 3)

## 2. PREPARING THE TUBULAR MOTOR

Place the crown wheel over the body of the motor. Slide the slot in the motor crown over the raised key on the motor's limit switch unit. (See Fig. 4)

A crown is not necessary on  
 2.0" Tube when used with LT50,  
 and 2.5" Tube with LT60.

Fit the drive wheel on to the output shaft of the motor. There are two types of LT drive wheels: Removable or "**SOFT CLIP**" type, and fixed or "**HARD CLIP**" type. The "**SOFT CLIP**" drives are only available for round tubes in 2.0", 2.5", and 2.75" diameters. The drive wheel can be removed by physically pulling it off the motor shaft. For the ease of identification all "**SOFT CLIP**" drives are **BROWN**. The "**HARD CLIP**" drives can only be removed from the shaft by pressing the two clips inward at the same time. The motor must be out of the tube in order to have access to the clips. These drives are **BLACK**.

## 3. FITTING THE MOTOR INTO THE TUBE

For round tubes: Measure the drilling length R according to the motor type listed in the table below. Fit the motor into the tube ensuring that the notch at the end of the tube slides over the raised key on the crown wheel. (See Fig. 5, 6) Secure the drive wheel to the tube using four 7/32 steel pop rivets or four 1/4 DIA. screws. Fit the end plug into the other side of the tube and secure it with three steel pop rivets. Use only fasteners with steel grades SAE 5 or higher. Metric fasteners must be grade 8.8 or higher. (See Fig. 7)

## 4. SUPPLY CABLE OUTPUT

**AXIAL OUTPUT:** Pass the supply cable through the center hole of the yellow motor head cover. (See Fig. 5)  
**RADIAL OUTPUT:** Pass the supply cable through the groove in the motor head. (See Fig. 6)

### LT50

MOTOR TYPE	R in. / mm	MOTOR TYPE	R in. / mm
504S2	19.29/490	520R2	20.08/510
506S2	20.08/510	525A2	21.26/540
510S2	21.26/540	530R2	21.26/540
510R2	19.29/490	535A2	23.23/590
515S2	23.23/590	540R2	23.23/590
515A2	20.08/510	550R2	23.23/590

### LT60

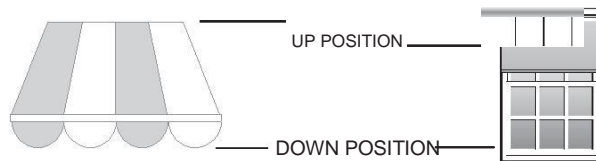
MOTOR TYPE	R in. / mm
660R2	25.3/642
680R2	25.3/642
6100R2	25.3/642



## 5. LIMIT SWITCH SETTING

SOMFY strongly recommends using a Tester Cable (T.C.) Cat. No. 6020086 to set the motor limits, and to ensure the system is operating correctly before the final electrical connection is made. Refer to Step 7 "Trouble Shooting Guide" for any problems encountered.

**Two positions have to be set: the UP & DOWN positions, this is where the rolling shutter or awning will stop automatically.**



Sequence:

- 1 Ensure the tester cable switch is in the center "OFF" position, and connect T.C. to motor leads by matching color codes.
- 2 Remove the protective cap covering the limit setting buttons on motor head, and replace when finished.
- 3 Depress fully both limit switch push buttons. They will automatically lock in the down position. Operate the T.C. switch and check that the system operates correctly. Identify the UP limit switch push button (refer to figure used for step 1). Press the T.C. switch in the UP direction until the required position is reached. Set the switch to the center "OFF" position.
- 4 Unlock the UP limit switch push button by depressing and releasing it.
- 5 Repeat the above operation to set the lower limit. Check with the switch that the motor stops at the up & down positions just set.
- 6 Always remember to affix the protective cap over the limit switch buttons.

**NOTE:** Tubular motors are not continuously rated. They have a built-in thermal overload device which limits their operation to approximately 5 minutes.

## 6. WIRING/INSTALLATION RECOMMENDATIONS

- A. All wiring must conform to NEC (National Electrical Code) and local codes
- b. Do not wire two or more motors to one SPDT (single pole double throw switch-NO PARALLEL WIRING).
- c. Do not use light switches.
- d. Do not wire two or more switches to one motor, without using SOMFY's multi switch command. Cat. No. 6300427.

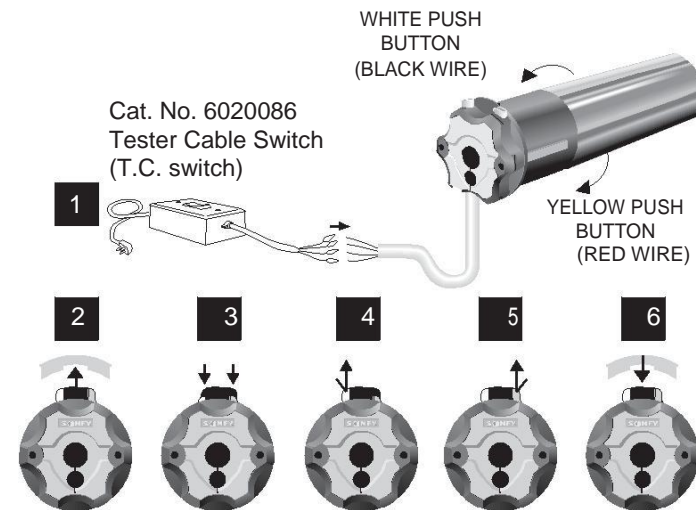
**NOTE: SOMFY motors conform to IP44 requirements and as such must be protected against direct weather elements such as rain, sleet,...etc.**

**SOMFY reserves the right to void the motor warranty if the wiring recommendations are not followed.**

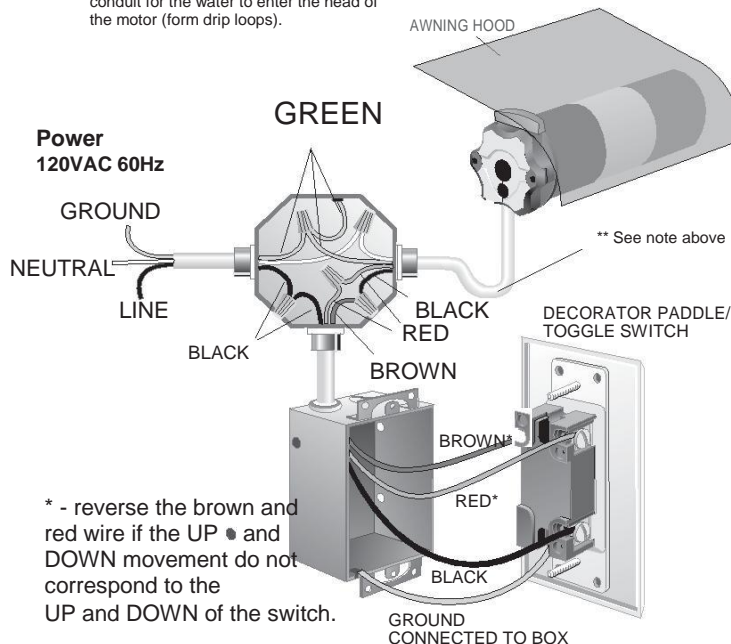
## 7. TROUBLESHOOTING GUIDE

### SYSTEM DOES NOT RESPOND

- Is the power supply switched on - check any fuses in the system?
- Is control switch wired correctly? Refer to instructions.
- Are limit switches set properly? Review limit switch settings.
- The thermal protective device may have shut the motor off. Wait for the motor to cool down.
- Check the wiring between the motor & the switch.
- Disconnect the switch & test the motor with a tester cable.



\*\* The motor cable should not act as a direct conduit for the water to enter the head of the motor (form drip loops).



\* - reverse the brown and red wire if the UP and DOWN movement do not correspond to the UP and DOWN of the switch.

### THE SYSTEM IS NOT STOPPING

- Is the limit switch crown wheel being driven by the tube (has tube profile been properly notched)?
- Is motor drive wheel securely fastened to the tube?

**NOTE: if the motor is tested outside the tube, the crown wheel has to be manually turned in order to stop the rotation of the output shaft.**

