



## SLIDING DOOR KIT INSTALLATION NOTES

### SAFETY

PROPERLY ADJUSTED, THIS OPENER WILL OPERATE YOUR DOOR SAFELY. A CLOSING DOOR SHOULD BE EASY TO STOP WITH YOUR FINGER. EXCESSIVE OPENING SPEED OR POWER WILL DAMAGE THE "GENTLEMAN" AND THE DOOR COMPONENTS. THESE ADJUSTMENTS CANNOT BE MADE AT THE FACTORY AND ARE YOUR RESPONSIBILITY.

### PLEASE NOTE

FRICITION HAS A TREMENDOUS EFFECT ON THE FORCES REQUIRED TO MOVE A SLIDING DOOR. THEREFORE THE EASIER A DOOR WILL MOVE THE LESS THESE FORCES WILL BE. INHERENT SAFETY IS IMPROVED AT LOWER OPERATING PRESSURES. THEREFORE ALWAYS MAKE A DOOR MOVE AS EASILY AS POSSIBLE BEFORE INSTALLATION OF A GENTLEMAN DOOR OPENER EVEN THOUGH THIS SYSTEM CAN BE ADJUSTED TO OVERCOME THIS FRICTION.

- **Do not kink or crush tubing during installation.**
- **The air tubing connections and control units are color coded with plastic zip ties.**
- **Connect the air tubing by matching wire tie colors at fittings from control box to cylinder.**
- **If multiple units are ordered, match the control box to the operator by matching fluorescent dots on each.**
- **See Figure 1 for tubing and fitting connections.**

### INTRODUCTION

This product is designed to open residential sliding doors remotely while maintaining normal operation.

### GENERAL INFORMATION

This opener is pneumatic and requires an air compressor (not included) that will sustain 90-100 PSI of air pressure. Multiple openers can operate from a single compressor. If there is an existing system, it may be used if it meets the above criteria.

A small and quiet air compressor located in a remote location up to 125 feet away. (Basement or Garage) We recommend the Senco PC0968 for its quiet operation and it is oil less. You may purchase the compressor from GDA or buy it from other sources locally.

The Sliding Gentleman is comprised of many precision pneumatic controls and requires a clean source of air with minimal moisture. Draining the air compressor tank periodically is essential to eliminate moisture in the air.

### MOUNTING (Figure 2)

First, lock the door and mount the flat aluminum plate in the upper jamb side corner of the sliding element. The design of this plate is so that the mounting screws will not hit the glass of the door. Leave about ¼ inch clearance between the edge of the plate and the door channel on the side and at least ½ inch clearance on the top.

Next, fully extend the cylinder keeping it parallel to the top of the door. Mark and remove the small portion of the door casing so you can screw the angled end bracket to the doorjamb and / or the framing member next to it.

Unlock and open the door fully and use one small screw to attach the support line to the casing above it.

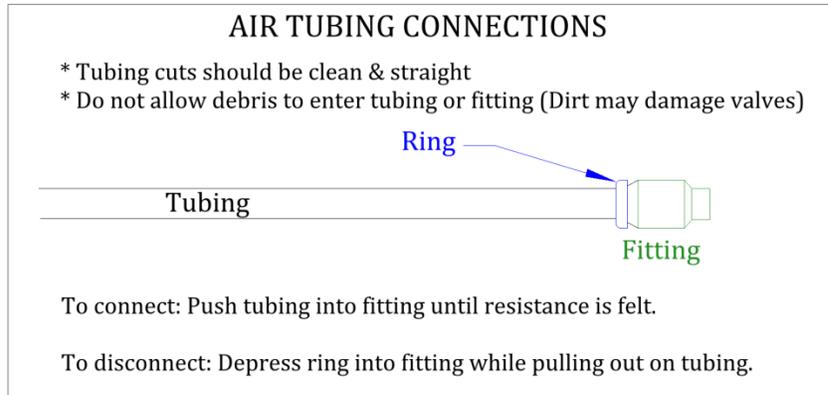
### CONTROL BOX (Figure 2)

Attach this box adjacent to the door casing on the side of the angled bracket. This is an area that would normally be concealed by a curtain. You may locate the control box up to 15 feet away from the operator. This box should also mount within the cord length of the receiver and transformer.

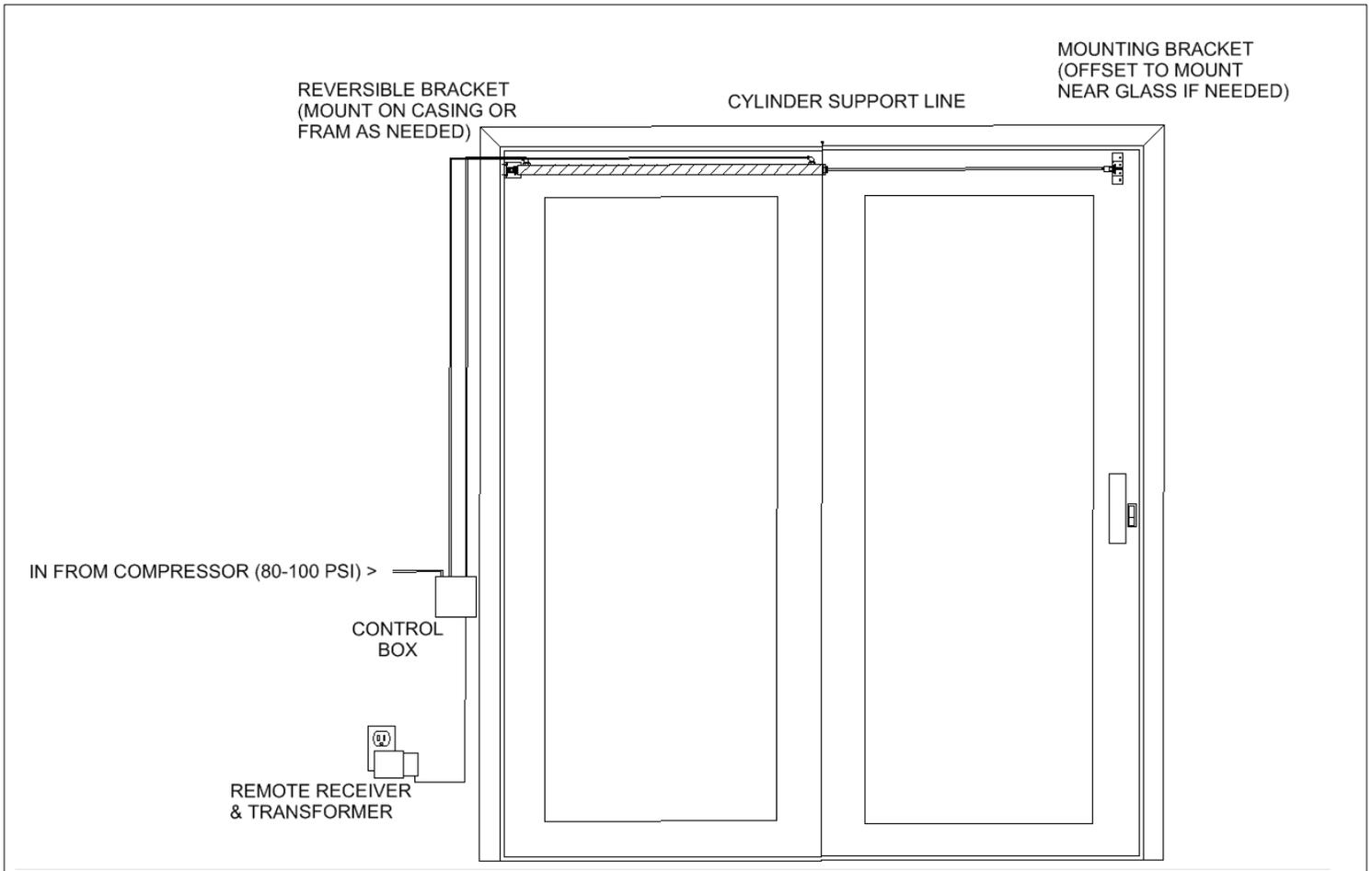
### STANDARD CONTROLS

This kit includes a Liftmaster remote and Remote Receiver. The receiver plugs into a nearby outlet and the control box then plugs into the receiver. Program the remote to the receiver using the instructions included with the receiver. The Liftmaster MyQ products will also allow activation through a smart phone app available from Liftmaster.com. To utilize the smart phone app, you must have a home wireless network and the Liftmaster Internet Gateway. (Sold separately)

If you choose to control the operator by other means, it will open when energized and close when de-energized. The unit is may be powered directly by low voltage 12VDC@500ma. The unit must remain open for at least 8 seconds to charge up an air supply to close.



**Figure 1**



**Figure 2**

## SAFETY-READ CAREFULLY

**The whole purpose of the adjustment procedure is to adjust the amount of force required to cause the closing pressure to cease if an object is encountered in a closing door. Properly adjusted, if it closes on your hand it should not hurt. Do not, however, test in this manner. Rather, use a soft inanimate object.**

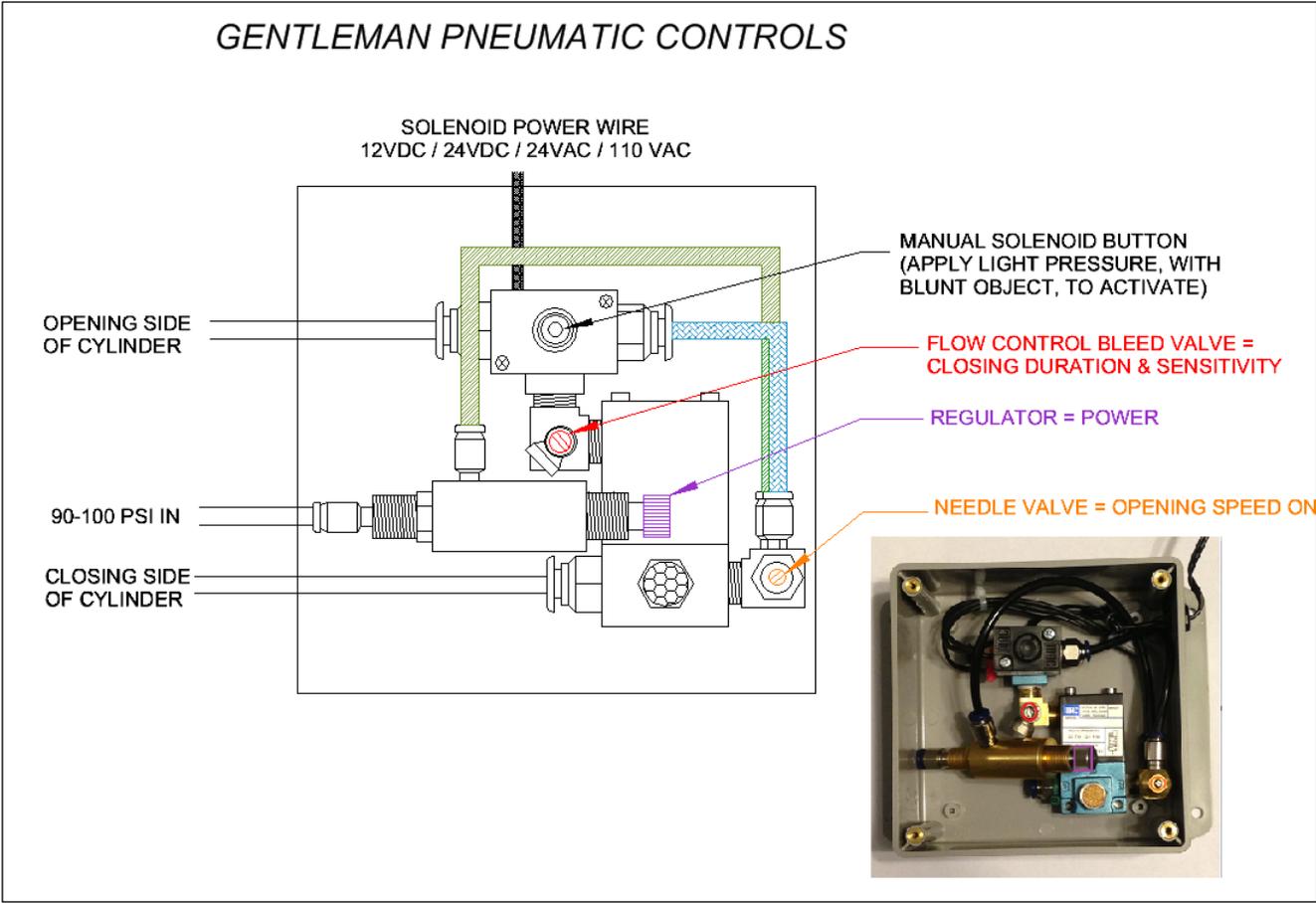
**CAUTION: IF THE DOOR WILL NOT SUBMIT TO AN OBSTRUCTION WHILE CLOSING, THE PNEUMATIC OBSTACLE DETECTION AND DEACTIVATION IS NOT WORKING PROPERLY. YOU WILL NEED TO REVERSE THE AIRLINE CONNECTIONS AT THE CONTROL BOX GOING TO THE CYLINDER!**

**NOTE: THE UNIT IS ADJUSTED AT THE FACTORY, PLEASE MAKE CONNECTIONS AND CYCLE THE UNIT SEVERAL TIMES BEFORE MAKING FURTHER ADJUSTMENTS.**

1. Make sure remote control or switching system you are using is operational and the **Regulator** has 90-100 PSI air supply coming into it. (Figure 3)
2. Activate control box to open the door or you may depress the manual activation button on the top of the solenoid to simulate the solenoid being energized.
3. At the **Regulator** inside control box, increase pressure (turn clockwise) to the point where door will just open. (Minimum point) Further Increase pressure at **Regulator** approximately one additional turn.
4. Deactivate solenoid valve to close door and observe operation.
  - A. If door closes all the way:
 

Open vent on **Flow Control Bleed Valve** (turn CCW) and repeat steps 2 and 5 waiting about 5 seconds between steps. Repeat this procedure until door will not fully close (i.e. stops) before reaching fully closed position.
  - B. If or when door closes part way and stops:
 

Close vent on **Flow Control Bleed Valve** (turn clockwise) and repeat steps 2 and 5 waiting about 5 seconds between steps. Repeat this procedure as many times as necessary until door will fully close 100 % of the time. Try to approach this point with very small incremental adjustments.
5. Observe closing speed.
  - A. If door closes too slowly (more than about 7 seconds), increase pressure at **Regulator** (Step 3) approximately 1/2 turn and repeat step 4.
  - B. If door closes too quickly (less than about 4 seconds), decrease pressure at **Regulator** approximately 1/2 turn and repeat step 4.
6. Open or close valve marked **Needle Valve** to increase (CCW) or decrease (CW) opening speed only. Again, adjust to the 4 to 7 second range.



*Thank you for choosing Gentleman Door Automation!*