

DIRECTIONS

3600 Series Installation Template

Installation Adjustment

TO SET CONTROL IN FLOOR

Assemble control in cement case with screws furnished and block level in position. Top edge of cement case should be flush to 1/16" below floor level when standard floor plate is used. When a threshold is used (the threshold also should be blocked in position with the control to insure accurate alignment of the sections.)

When all members are in proper alignment, including upper pivot, grout cement case into permanent position.

TO SET ARM IN DOOR

Install arm slide channel in bottom of door. With door hung on butts or pivots swing door open and put arm on spindle. With port cap removed swing arm approximately 90% and tighten down closing adjusting screws to prevent spindle from returning to closed position. Remove arm from spindle and insert slide end in slide channel. Reconnect arm to spindle in same location and secure with arm screw.

LEVELING SCREWS

A leveling screw is provided in each corner of the control adjacent to the cement case screw. In addition to a leveling device, these screws may be used to raise the entire control. The cement case screws must be loose while this adjustment is accomplished.

For satisfactory door operation it is essential to have the control perfectly level.

TO ADJUST CLOSING ACTION

Dor-O-Matic controls have a two speed checking action. The Closing Speed Valve controls the closing action of the door to within a few inches of the closed position. The latching speed valve, which controls the final closing action, provides positive control to prevent the door from slamming into the jamb.

The procedure for this adjustment (Figure 2) is as follows:

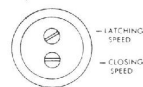


FIGURE 2

1. Remove checking adjustment port cap with screw driver.
2. Turn both adjusting valves to the right. Close completely with firm but not excessive pressure.
3. Open closing speed valve approximately 1/4 turn to the left. Try door. Now, turn this valve slightly to the right or left as necessary, try door and repeat this procedure until the first speed is adjusted to satisfaction.
4. To adjust the latching speed valve repeat procedure of Step 3.
5. Securely replace checking adjustment port cap.

TO ADJUST BACK CHECK ACTION

Dor-O-Matic Hydra-Cushion controls are equipped with an adjustable hydraulic back check. The back check valve provides a positive slow down of the door as it approaches the open position and prevents damage to door and frame.

The procedure for this adjustment is as follows:

1. Remove back check adjustment port cap with screwdriver.
2. Close back check adjusting valve screw by turning to the right with firm but not excessive pressure.
3. Open back check adjusting valve screw by turning 1 1/4 turns to the left. Open door quickly to its fully open position and turn valve screw slightly to right or left as necessary for desired hydra-cushion action.
4. Replace port cap securely.

SPRING POWER

Dor-O-Matic Hydra-Cushion controls are available with three different spring sizes. 2600D for door 2'-10" wide and under, 2600E for doors 2'-10" to 3'-6" wide, 2600F for door 3'-6" to 4'-0" wide. See table lower right hand corner reverse side. Manufacturer's size recommendation must be followed.

Be careful that no foreign matter enters the control while the adjustment port caps are removed. Dor-O-Matic controls are provided with filters to prevent dirt from interfering with normal operation, but large amounts of dirt may impair the life of the precision built unit, the same as it would in the crankcase of a fine automobile engine.

Seasonal adjustments of Dor-O-Matic controls are made unnecessary through the use of a specially developed hydraulic fluid which is not appreciably affected by extremely high and low temperatures. Available at a nominal cost, it is imperative that this oil only be used. Addition or substitution of another oil may impair the spindle seal and other parts and consequently will void the guarantee.