

GATES – ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES



GATES – ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES



GATES – SELF CLOSING

Gates have become a very popular alternative to Turnstiles to control how customers enter and exit your premises. The added security of new electrically locking and un-locking gates has opened up new applications. Gates in combination with Modular rails, Posts and other components provide a clean, functional and custom look to your place of business, as well as providing access for the disabled.

- Gates return precisely to the closed position slowed by a hydraulic device. This soft closing feature avoids injury to a customer or damage to the gate itself.
- Each gate is fabricated from heavy gauge steel materials and includes two ball bearing assemblies to provide smooth action and years of trouble free service.
- All gates incorporate an important panic safety feature. Gates release when forced open in the reverse direction to provide an emergency exit.
- Gates may be specified with right or left hand opening to meet the needs of your floor plan.
- All external parts have a heavy plating of Bright or Satin Chrome, which creates an extremely hard and long wearing finished surface.

ELECTRICAL LOCKING AND UN-LOCKING GATE

Entrance Systems:

To increase the overall security of the premises, Gates with Electric locking or un-locking should be considered. The most common of entrance applications allows customers free access from the outside but lock when they attempt to exit through the same gate.

- This is accomplished by means of a Photo electric Eye switch placed inside the post and rail system, which will un-lock the gate on the pedestrians approach.
- The installation of a remotely activated Push Button, allows a customer representative or handicap person to unlock the gate (The appropriate signage would be included)
- The electric Mechanism has been carefully engineered for years of reliable operation. The circuitry used throughout the system is a safe 24 Volt, which is provided by means of a control board with a standard 24 volt power supply that can be easily plugged into a 120 receptacle.
- Card access control software can also be utilised in the same fashion as a dry contact push button. All product control boards come with standard interface capabilities.

[GATES – ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES

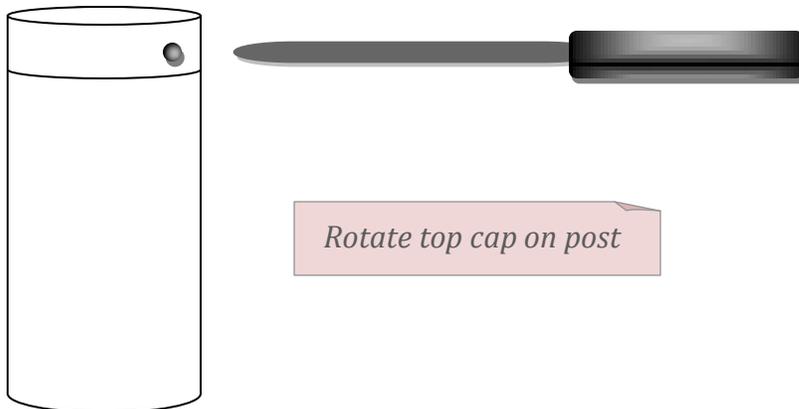
OPERATING INSTRUCTIONS

SWING GATES No. 2001, 2002, 2003, 2004

The arms on these gates are designed to rotate open through a range of 90 degrees from the fixed (closed) position, when pushed with the force of two pounds. When released, the gate arm will return in a controlled manner to its original closed position automatically. The gates incorporate a “Panic” feature to allow the gate to be opened in the opposite direction in the event of an emergency. Swing gates are covered by a twelve month manufacturer’s warranty for defects in materials and workmanship.

ARM ADJUSTMENT SPEED

This adjustment is made to reach a balance between - too fast a closure rate and the risk of injury to customers and gate mechanism and – too slow a closure rate and the potential of reducing the security value of one way flow through the gate. THIS CONTROL MECHANISM IS AFFECTED BY CHANGES IN TEMPERATURE



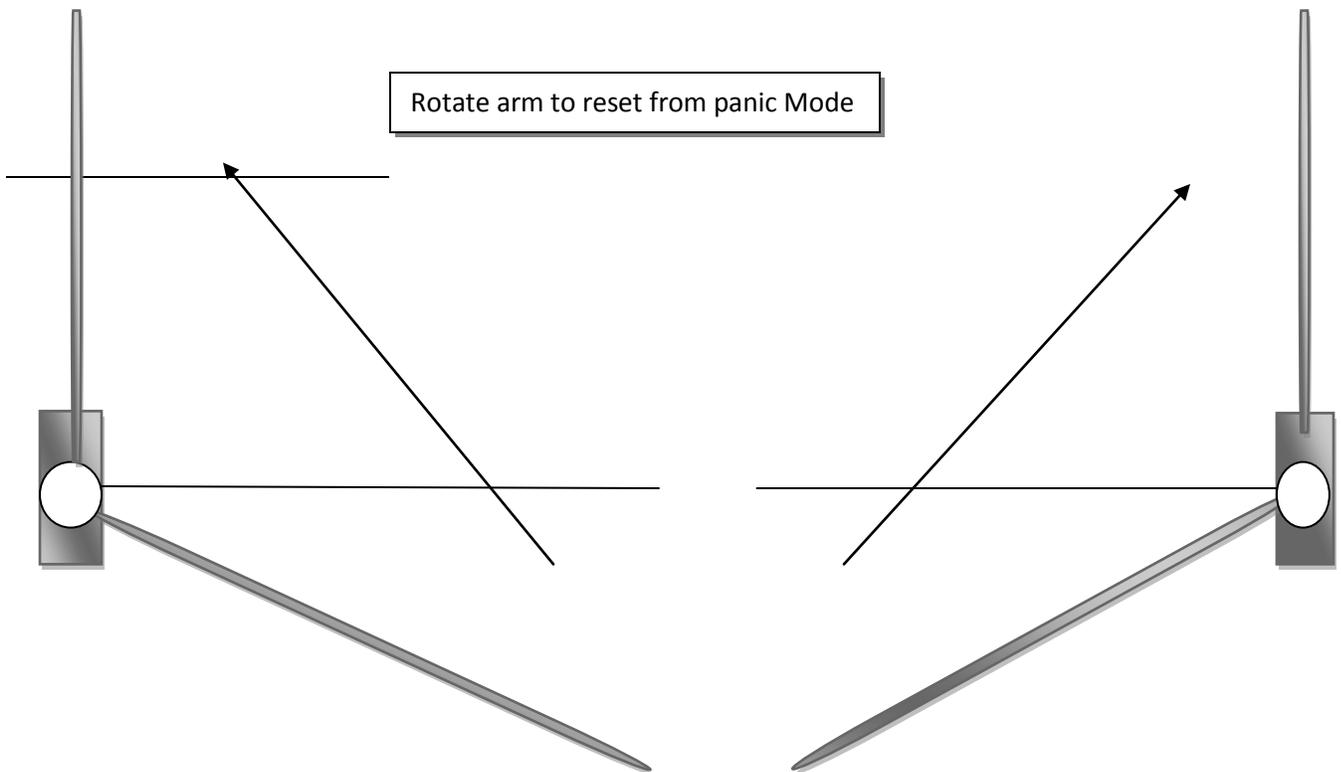
A 6” length of ¼” rod or a screw driver is inserted into the adjusting mechanism (horizontal hole located on the top cap of the gate assembly) so that it may be used to rotate the top cap clockwise or counter clockwise depending on the need. To increase the speed of the closing – rotate the top cap in the direction that the arm closes. To decrease the speed of closing – rotate the top cap opposite of the direction of closing. To make a fine adjustment, the cap will need to be rotated back and forth through 360 degrees.

[GATES – ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES

“PANIC “ MODE

If a closed gate arm is pushed in the exit direction with a force of 25 pounds, it will move into the “Panic” mode and release, allowing customers free passage through the gate. Once the Panic mode has been set, the gate will remain in a open position until reset. The arm can be reset by being

ROTATED TO A FULLY OPEN POSITION IN THE NORMALLY OPEN DIRECTION.



NORMAL USE

Should the gate arm fail to return to the closed position during normal use, the following should be tried before service is requested:

- Ensure that the gate is not in Panic mode
- Adjust arm speed mechanism.

INSTALLATION INSTRUCTIONS

(TURNSTILES, GATES, POSTS)

1. Strike a chalk line in the desired location on the floor
2. Make sure gate arms are positioned straight; post fittings are oriented correctly in the direction of the rails. MAKE SURE GATE POSITION AND POST POSITION ARE STRAIGHT BEFORE MARKING HOLES.
3. Arrange posts on chalk line , spacing all posts evenly.
4. Mark flange hole locations.
5. Drill holes with 3/8" carbide drill for concrete or 1/8" for wood.
6. Clear holes of dust and hammer anchors into the floor leaving 1 ½" showing.
7. Set posts on anchors, add kept nuts and tighten nuts.
8. Check each post for level and make necessary adjustments adding small shim stock if necessary.
9. Loosen posts and begin attaching rails.
10. Rails are pre-cut to 4' and 5' centres, for shorter or longer measurements additional on-site cutting may be required. In which case rails must be cut ½" shorter from the final distance between posts for an accurate fit.
11. Re-tighten all post nut and return them to level condition.

INSTALLING RAIL FITTINGS

1. Measure top rail fitting position, place rail fitting on post in straight line with adjacent post. Mark holes top and bottom.
2. Take self tap screws provided and begin drilling marked holes.
3. Once the holes have been drilled and taped, place fitting and re-attach screw.
4. Repeat the same for bottom fitting.

Please note that all fittings come with standard centre hole for bolting to posts as well. (optional)

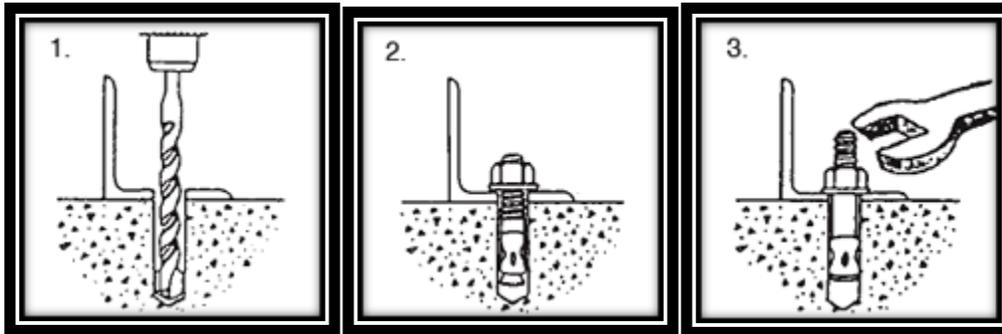
GATES Gate posts must be spaced to allow a 1 ½" gap between the post and adjacent gate arm.



[GATES – ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES

ANCHORING USING WEDGE ANCHORS

- A standard wedge-type anchor for poured concrete & brick
 - Carbon steel anchor body and clip (also available in stainless steel)
 - Drill same hole diameter as the anchor diameter
 - Extra threads for locking nuts or shims
 - Zinc plated anchor body, clip, nuts and washers
 - Available in open stock boxes or bulk
- Conforms to the following listings/approval
 - Meets G.S.A. Standards G.S.A. FF-S-325, Group II, Type 4
 - Meets load factors in compliance with A.N.S.I. A58.1
 - Meets plating standards in compliance with A.S.T.M. B-633
 - Products tested in accordance with A.S.T.M. E-488.88



Where do I use DFS Wedge Anchors:

- Steel & Wood Plates
- Outlet Boxes
- Mail Boxes
- Guard Rails
- Grain & Storage Bins
- Steel Buildings
- Shelving & Bracing
- Stadium Seating
- Sign Bases
- Hand Rails
- Light Fixtures
- Machine Anchoring
- Water & Gas Meters
- Storage Tanks

PRODUCT DIRECTION CHART

Determining product swing direction can be a tricky. Follow the tips on this Chart to learn the proper traits of each product.

- Upon entering with the arrow facing you, if the Gate post is on your Left side (with gate swinging counter clockwise) this is considered a Left handed Gate. (As in Figure #1)



Figure #1

- The same runs true for a Right handed gate, post is on the right, opens clockwise.

WHAT KIND OF CONFIGURATIONS AM I LIMITED TO

There are virtually no limits to what kind of layouts you can achieve with the modular posts and rails in combination with Gates and Turnstiles.



[GATES – ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES

This Gate is Equipped with an

EMERGENCY RELEASE FEATURE

PLEASE TAKE A MOMENT TO FAMILIARIZE YOURSELF WITH ITS OPERATION.

In an Emergency, the gate arm may be forced open in the exit direction to Allow passage when the gate is locked. Once activated, the gate arm will remain in this mode until reset. It is recommended that this feature be tried now.

1. Cause the system to alarm and lock the gate.
2. Push the locked gate open in the exit direction with a force of 25 pounds or 111 Newton's. The gate arm will now be in the emergency release mode.
3. Notice how the gate arm functions
 - A) While the system is "In panic" the gate arm will not swing closed on its own.
 - B) When the fire alarm is over , the arm may close but may not lock. Normally when the system is put "in Panic" it must be reset.
4. Reset the gate arm by completing the following steps
 - A) Cause the system to go into "Panic"
 - B) Push the gate arm open slowly until it stops.
 - C) While still "In panic" rotate the arm closed and it will snap into a normal operating mode.

If in daily use, the emergency "panic" mode has been inadvertently activated and the gate arm does not close or lock normally, reset the arm as directed.

PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

GATE WIRING DIAGRAMS

Entrance Gates: 4 wire from gate controller to Gate solenoid and Alert buzzer

ONE 4 WIRE

Red from controls – to – Red of the buzzer

Green form Controls – to – Black to Buzzer

White from controls – to – Red (or white) of gate solenoid

Black from controls – to – Black of gate solenoid

May come with optional Computer interface cable, which plugs into COM #1 or #2 of computer.

Exit Gate: One 3 wire and one 2 wire, Gate that is controlled by a Photo Eye connection.

3 WIRE FOR PHOTO EYE

Red from controls – to – Black and Blue of photo eye

White from controls – to – Brown of Photo eye

Black from controls – to – White of Photo eye

2 WIRE FOR SOLENOID

White from controls –to - Red (or white) of gate solenoid

Black from controls – top – Black of gate solenoid

Magnetic lock gate: 2 Wire from gate to Gate post magnet.

White from controls – to – Red (or white) of gate post Magnet

Black from Controls – to – Black of gate post Magnet

July 9, 2010

WARRANTY

We will repair or replace at our discretion any defective product provided it is returned undamaged to our factory.

Freight to be paid at Customer's expense, please contact our service department before returning the product. Beyond warranty period, we will offer replacement parts or factory service at reasonable rates.