2014

GATES-ELECTRIC AND MECHANICAL SELF CLOSING 2000 SERIES

TURNSTILE SECURITY SYSTEMS Inc.

THIS CATALOGUE IS MEANT AS REFERENCE MATERIAL FOR TURNSTILE SECURITY SYSTEMS Inc. FOR THE SOLE PURPOSE OF INFORMING POTENTIAL CUSTOMER OF FEATURE, ADVANTAGES AND BENEFITS OF TURNSTILE SECURITY SYSTEMS PRODUCTS.

7/7/2014

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 or business, as well as

Providing access for the disabled.

- Gates return precisely to the closed position slowed by 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 features. Gates release when forced open in the reverse direction to provide 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 Sating 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 Eyes 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 Bottom, 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 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 contract push button. All product control boards come with standard interface capabilities.

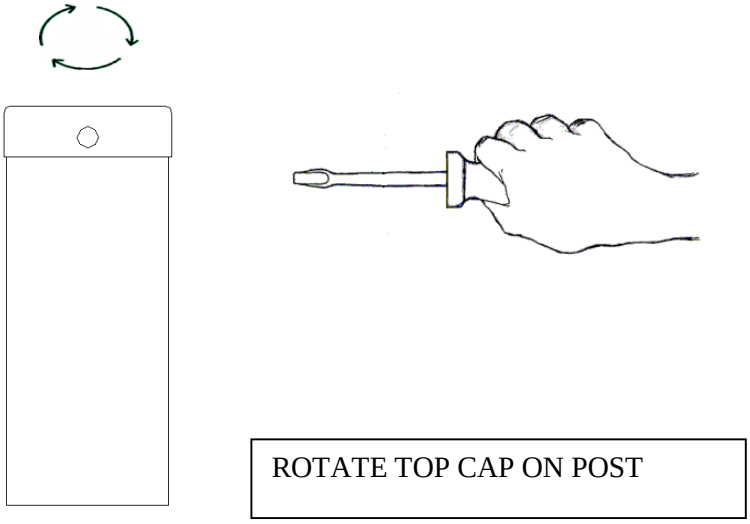
OPERATING INSTRUCTIONS

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.

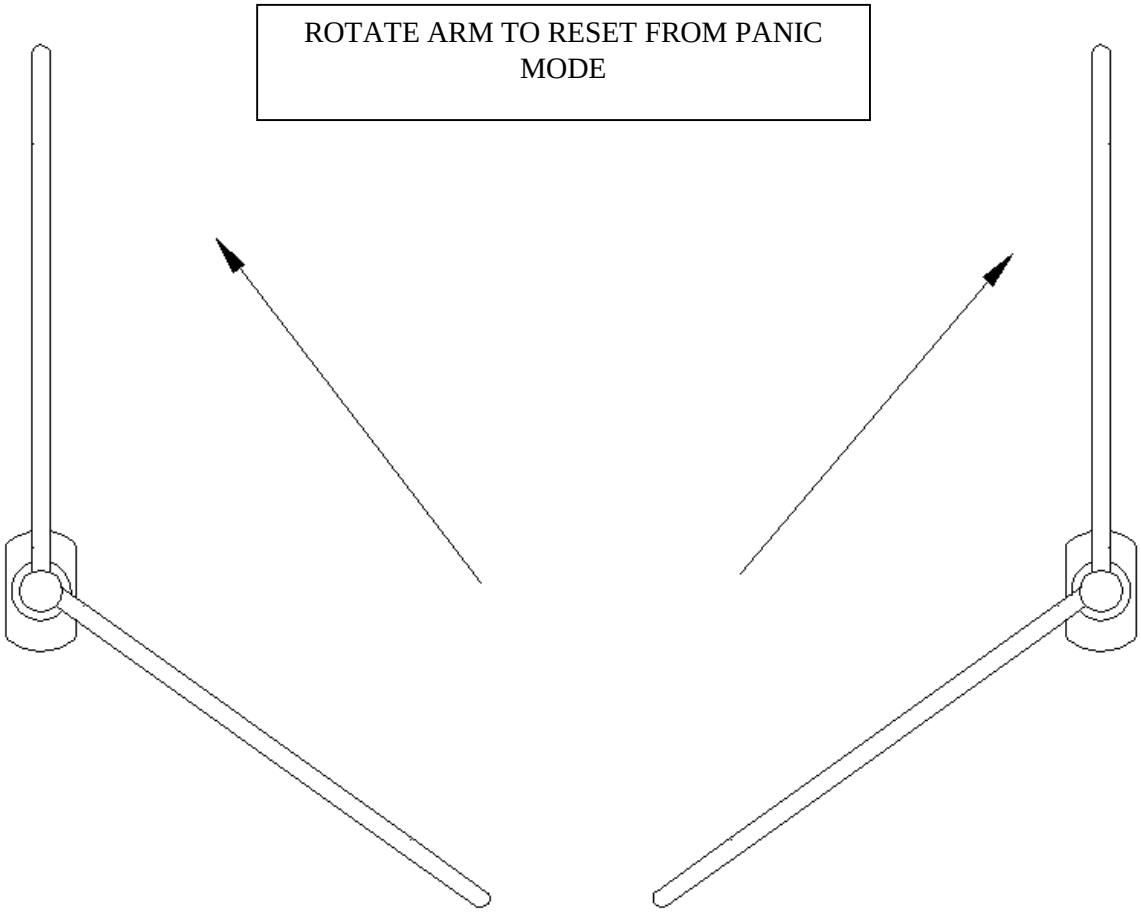


ROTATE TOP CAP ON POST

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- rotates the top cap opposite of the direction of closing. To make fine adjustment, the cap will need to be rotated back and forth through 360 degrees.

“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 made has been set, the gate will remain in an open position until reset. The arm can be reset by being ROTAED 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 INSTRUCTION

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 posts 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

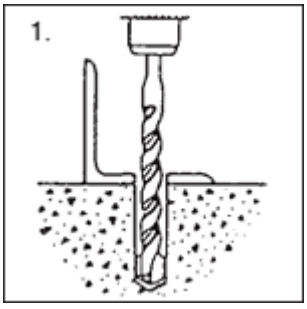
Gate posts must be spaced to allow a 1 ½" gap between the post and adjacent gate arm.

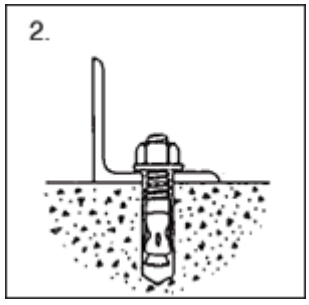
ANCHORING USING WEDGE ANCHORS

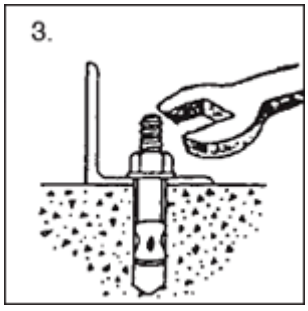
- A standard wedge-type anchor for poured concrete & brick.
- Carbon steel anchor body and clip (also available in stainless steel)
- Drill same hole diameter as the anchor diameter.
- Extra threads for locking nuts or shims.
- Zinc plated anchor body, clip, nuts and washers.
- Available in open stock 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







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. (Figure #1)

Figure #1

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

WHAT KIND OF CONFIGURATIONS AM I LIMITED TO?

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

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 pound 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 first 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.

TROUBLE SHOOTING GUIDE

SWING GATE (ELECTRIC VERSION)

1. Gate will not unlock. (Entrance or Exit)
    a) Check first if power supply is plugged in.
    b) Check all wiring connecting power supply to gate.
    c) Check under gate cover for wire separation. Located at the base of the gate under the flange.
    d) Follow examples on wire diagram page for description of proper wiring of your individual product.

A gate not unlocking is a very rare case. So please check all breakers to make sure that there is no possible way that it could be a power issue. It may save you time in the long run. Please make sure that at all times your security products are on surge protector power bars. This will save you $$$$ if there is ever a serious electrical problem.

2. **Gate will not lock. (Entrance)**
    a) Check if power supply is plugged in.
    b) Check all wiring connecting power supply to gate.
    c) Check under gate cover for wire separation. Located at the base of the gate under the flange.
    d) Follow examples on wire diagram page for description of proper wiring of your Turnstile Security Systems product.
    e) Check your access control button for defects. E.g. wiring pulled out, but not clicking.
    f) Reset gate panic release (refer to electric mechanism page for instructions) with gate in a closed position. Push gate in direction of exit. This will release the breakaway panic feature. You will need approximately 60lbs of force to break away. Once you have done

this, press release button and bring all the way back to its natural open position until you hear a loud bang sound. Now you should be reset.

g) Open gate power supply box. You will notice a red light on circuit board. When you press release button a secondary light should come on to signal a release has occurred. If the secondary light does not come on. Repeat letters a) to e).

3. **Gate unlocks but alert buzzer does not sound.**

   a) Check under gate cover for wire separation. Located at the base of the gate. Under the flange cover.

   b) Follow example on wire diagram page for description of proper wiring of your Turnstile Security Systems product.

In most cases a buzzer failure is due to a large amount of moisture making its way to the product. Heavy floor waxes and water due to winter are the major causes for failure. It is requested that a floor mat be applied to heavy traffic areas.

4. **Gate will not unlock right away**

   a) Check to see I your computer programs is running properly.

   b) Check to see if the computer interface from gate power supply box is fully plugged into com port 1 of your computer.

   c) Call your computer technical support for help. Our system requires at least a 5 millisecond pulse to active our gates and turnstiles.

5. **Gate has resistance or sticks when opening.**

   a) Please refer to electric gate service guide. In this situation it is best to call our toll free number for tech assistance at 1-888-371-2222

6. **Gate no longer closes (closes slowly)**

    a) On the top of the gate you will notice a top cap. It has a horizontal hole drilled into it, about a quarter of an inch wide and one inch deep.

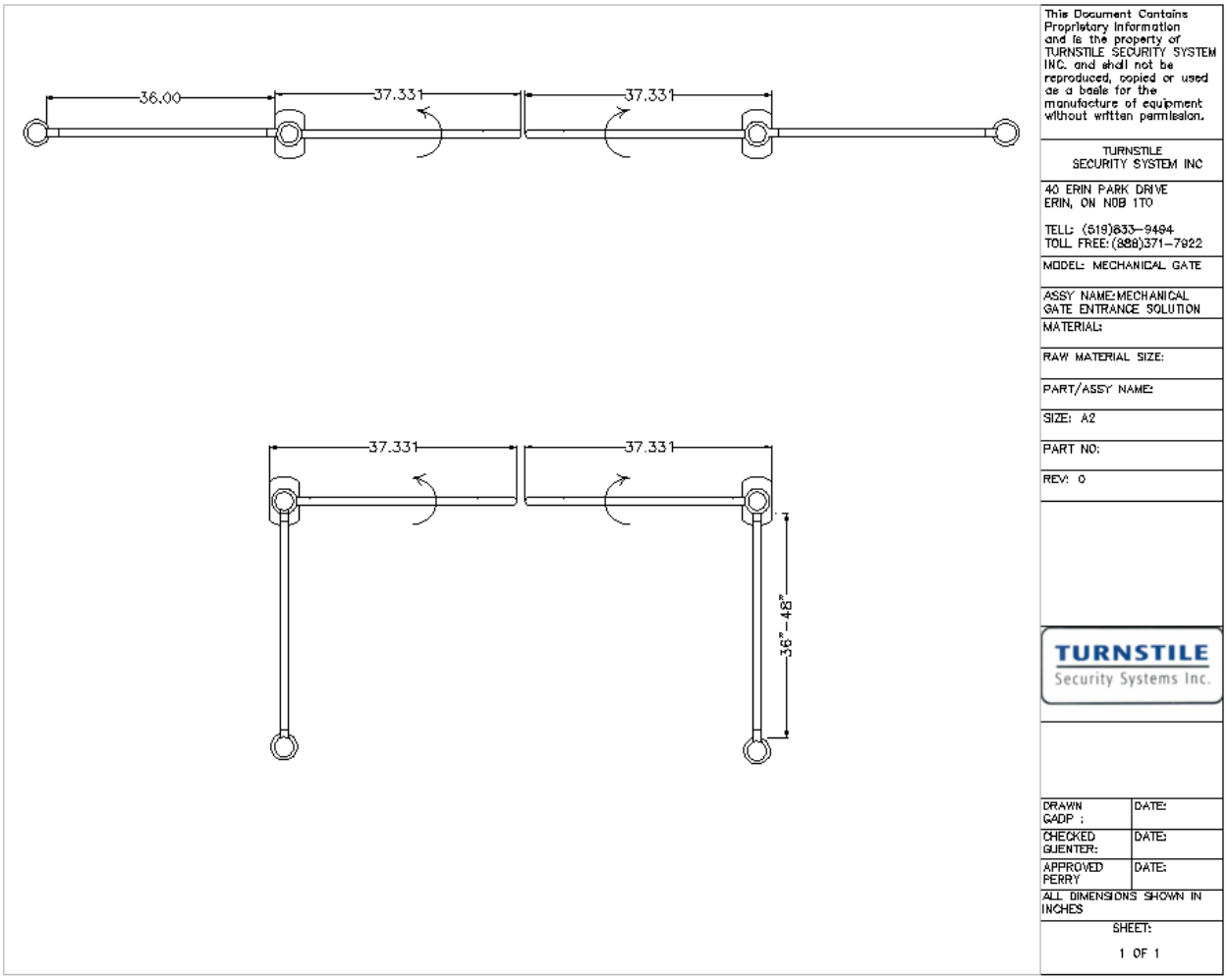
    b) You must take a screw driver or other device and introduce it into the hole.

    c) Turn the top cap in the direction you wish the gate to close. A half a turn at a time until you have reached desired speed.

Note: Right hand gate (clockwise) Left hand gate (counter clockwise) if this does not work remove Allen cap screws from top cap assembly and pull out top cap assembly from top of post. This will reveal gate spring. Check and see if damages and replace.

SWING GATE (ELECTRICAL VERSION) EXIT GATE ONLY

All electric gates work primarily the same way. There are only different triggers. Such as a photo electric eye, push button override and magnetic swipe. Therefore all of the previous instructions also apply to exit gates.



TURNSTILE
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MODEL: MECHANICAL GATE

ASSY NAME:MECHANICAL GATE ENTRANCE SOLUTION

MATERIAL:

RAW MATERIAL SIZE:

PART/ASSY NAME:

SIZE: A2

PART NO:

REV: 0

TURNSTILE Security Systems Inc.

DRAWN GADP :	DATE:
CHECKED GUENTER:	DATE:
APPROVED PERRY	DATE:

ALL DIMENSIONS SHOWN IN INCHES

SHEET:
1 OF 1