

TURNSTYLE
GATE OPENERS

Pre-Installation Guidelines

For Residential, Estate, Ranch & Farm Swing Gates

AUTOMATIC GATE OPENER



This guide will help you make all necessary decisions before installing your new gate opener.



See catalog for complete product line.

- ~ Easy To Install & **Adjust**
- ~ For Single & Dual Swing Gates up to **12 ft** in length and up to **400 lbs**
- ~ Runs on **12VDC 7AH** Rechargeable Battery
- ~ Solar Compatible
- ~ Available in Pillar and Ground Mounts
- ~ Works with Locks and Low-Voltage Lighting
- ~ Built-in Alarm and other security / safety features

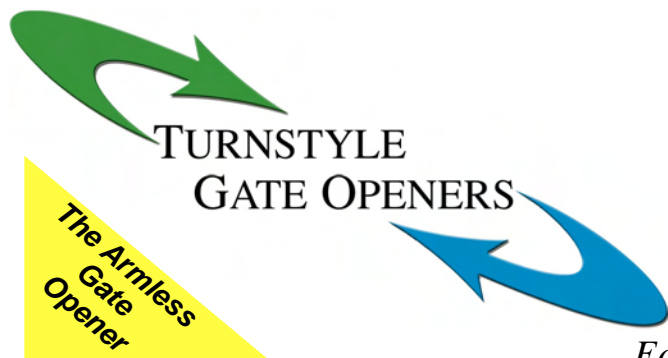
For use with:

- ~ Wood
- ~ Vinyl
- ~ Steel
- ~ Aluminum
- ~ Farm/Tube
- ~ Chain Link
- Gates

www.TurnstyleGates.com

1-800-548-2212

Foreign & Domestic Patents Issued & Pending



Pre-Installation Guidelines

For Residential, Estate, Ranch & Farm Swing Gates

AUTOMATIC GATE OPENER

1. PILLAR MOUNT OR GROUND MOUNT?

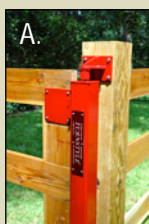
Pillar Mount models are mounted onto a pillar or post for swing gates mounted in a traditional End Mount configuration only.

** This is the most common installation type.*

Ground Mount models are supported in the ground by use of a Ground Sleeve, which allows for gates to be mounted in both End Mount & Center Mount configurations.

** Gate weight is not an issue when mounted in a Center Mount configuration, for both ends are being equally supported in the center by use of the Ground Sleeve.*

** Ground Mount models used in a Center Mount configuration are most commonly used with farm / agricultural gates.*



A. Pillar (End) Mount
B. Ground (Center) Mount

2. WHICH BRACKETS SHOULD I USE?

Which bracket you use is critical to what type of gate you are looking to hang. The following chart will help you best decide which brackets are the best use for your gates.

A. Unicorn Brackets

** Best for use with steel or aluminum gates.*

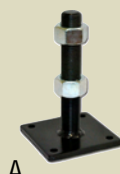
B. Wood Brackets

** For use with wood gates.*

C. Tube Brackets

** For use with round stock gates such as farm / agricultural, chain link, etc.*

** Note: You can also mount steel and aluminum gates without the use of brackets by welding the gates directly to the operator, for a smooth integrated look.*



A.

B.

C.



B.



C.



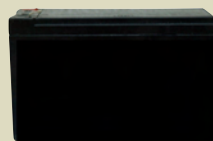
Integrated (Welded)

3. POWER OPTIONS: AC OR SOLAR?

Turnstyle Automatic Gate Openers are powered using rechargeable 12VDC 7AH batteries. In order to keep your gate opener functioning properly, the battery must receive power to recharge. There are two options: AC or Solar.

Using a AC Transformer, you can convert traditional 110 to power your gates.

Use of a 5 or 10 watt solar panel is also a more energy efficient option.



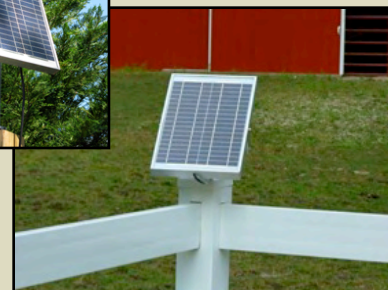
12VDC 7AH Battery



AC Transformer



5 & 10 Watt Solar Panels



See catalog for complete product line.

www.TurnstyleGates.com

1-800-548-2212

Foreign & Domestic Patents Issued & Pending

4. GATE OPENING ACCESSORIES

Turnstyle offers a complete line of accessories to better enhance the performance of your new automatic gate opener.

- A. **Photo Eye** Notifies control board when an object such as a car or individual is in the gate closing area, which prevents the gate from encountering obstructions.
- B. **Exit Wand** Senses vehicles within a 12-foot range, which automatically opens the gates for a hands-free exit.
- C. **Keychain Transmitter** Open/Close Gates with the touch of a button.
- D. **Visor Transmitter** Clips to sun visor, allows Open/Close gates with the touch of a button.
- E. **Wireless Keypad** Open/Close gate by setting your own personalized 4-digit code.
- F. **Loop Detector** Senses vehicle in a 12-foot range on all sides of the gate to prevent vehicle obstructions.
- G. **Wired Keypad** Enter/Exit property by programming this stationary keypad. Can be mounted on walls, posts, etc.
- H. **Magnetic Lock** Add security by installing a magnetic lock, offering up to 700 lbs of magnetic strength.
- I. **Power-Bolt Lock** Add security to your property by adding a locking device.
- J. **Post Top Low-Voltage Lights** The Turnstyle control board can accommodate low-voltage lighting to add functionality and security to your property.



5. PRE-INSTALLATION CONSIDERATIONS

The Turnstyle "Armless" Automatic Gate Opener works with both single and dual swing gates, including Steel, Aluminum, Wood, Vinyl, Farm / Agricultural and Chain Link.

Prior to installing your new automatic gate opener be sure to consider the following:

- * make sure that your gates and gate opener installation comply with applicable local codes
- * if you are installing a Pillar Mount model, be sure your pillar or post is level, and secure in the ground
- * make sure your gate is of appropriate weight and length for your Turnstyle gate opener model (Heavy Duty: up to 400lbs/12ft, Pro-Line: up to 1,500lbs/18ft)
- * make sure the gate can move through its swing arc without encountering an obstruction or dragging on the ground
- * consider if you need a standard 90° opening range or higher (custom opening ranges available from 91°-180° upon request)

6. TOOLS NEEDED

FOR PILLAR MOUNT MODELS:

- * Mounting Hardware for your pillar mount brackets (dependent on the material type of your pillar/post)
- * Power Drill
- * Drill Bit (dependent on the material type of your pillar/post and pillar mounting hardware)
- * Hex Bit Socket Set
- * Tape Measure
- * Level
- * String Level (for dual gate installations)

FOR GROUND MOUNT MODELS:

- * Shovel or post Hole Digger
- * Tape Measure
- * Concrete Mix
- * Hex Bit Socket mix
- * Level
- * String Level (for dual gate installations)



TURNSTYLE
GATE OPENERS

The Armless
Gate
Opener

Frequently Asked Questions

For Residential, Estate, Ranch & Farm Swing Gates

AUTOMATIC GATE OPENER

Are Turnstyle Gate Systems UL 325 compliant? Yes, all systems are UL 325 compliant. Our electronics board is full systems capable and accommodates most electronic components without additional programming. We meet all UL 325 safety and disclosure requirements.

Is there a maximum gate size that can be opened? When properly sized, Turnstyle openers have handled nearly every challenge. We have standard sizes to fit most gates and will work with fabricators to meet the needs of custom or larger gates.

Is the Turnstyle Gate System adjustable? Yes. The unique Turnstyle bracket system allows for many adjustments not possible with traditional openers. You can also easily reverse the swing direction of your gates.

Is solar power available? Yes, the Turnstyle system can be powered using 5 or 10 watt solar panels.

Is it AC or DC driven? The Turnstyle system is an electrical mechanical 12 volt DC (Direct Current) system. The battery can be charged by transformer or solar panel.

Are Turnstyle Openers full systems capable? Yes, the Turnstyle gate system is full systems capable, and can power locks, low-voltage lighting and other safety devices.

Does it work during a power outage?

Yes, the Turnstyle system is battery powered and will provide 100 openings and closings of the gate once the power goes out. If power is not restored, the gate will continue to function until the battery drains. You can easily convert the gate to manual function by loosening the bottom clamp.

Are both manual and automatic models available? Yes.

How long does it take to install?

Installation times can vary depending what type of Turnstyle model is being installed. Typical installation of a manual system is 30-60 minutes; and installation of an automatic system can take 1-2 hours typically; depending on the weight and size of gate, single or dual, and the number of accessories being installed, etc.

What maintenance is required? Little to none. The Turnstyle system is designed to require as little maintenance as possible.

Are they suitable for all weather conditions? Yes, all working components are safely contained within the operator post. All electronics are safely housed inside the Turnstyle control box.

Do Turnstyle systems for well with livestock? Yes, the Turnstyle system was developed and tested on our farms. With it's virtually silent operation, animals adjust very easily.

What happens when my gate encounters and obstruction? The Turnstyle system has built-in safety obstruction sensors, which cause the gate to stop and reverse direction four degrees and then stop completely. If the gate is opened into an object two times, an alarm will sound and the gate will again stop and reverse four degrees. The gate will remain immobile until the power switch on the electronic control box is switched off and reset.

How long is the warranty? The warranty is 1 year for the standard Heavy Duty model. The warranty on the Pro-Line model is 3 years.

Are there any underground components? No, all of the electrical components are located above ground. The wires to the motors and extra accessories may be placed below ground.

How close to the gate does the electronics box need to be installed?

Typically, the electronics box is located in close proximity to the gate; however, with installations that require an alternate configuration, we can accommodate an electronics box location up to 800 feet from the gate, provided the wireless receiver is mounted within range of the transmitter.

Be sure to visit our websites:

www.turnstylegates.com &
www.armlessgateopener.com



MADE IN THE USA

See catalog for complete product line.

www.TurnstyleGates.com

1-800-548-2212

For use with:

~ Wood ~ Farm/Tube
~ Vinyl ~ Chain Link
~ Steel ~ Gates
~ Aluminum

Foreign & Domestic Patents Issued & Pending