

WIZARD WORKS

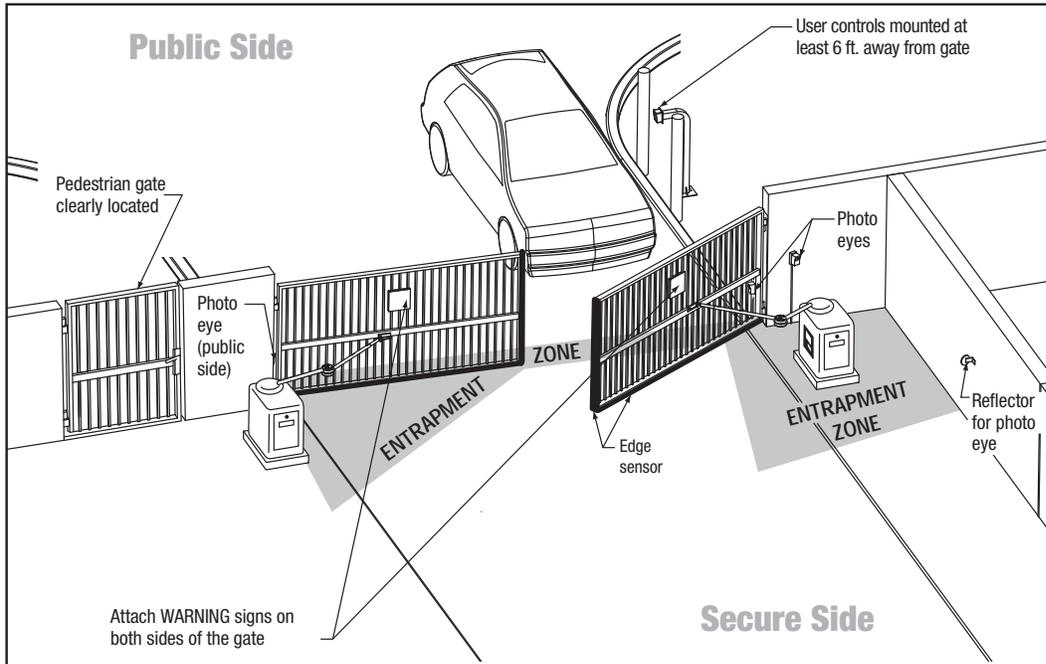
Getting Started with Gate Operator Safety

Always design, install and maintain safe gate access systems in accordance with UL325 & ASTM standards

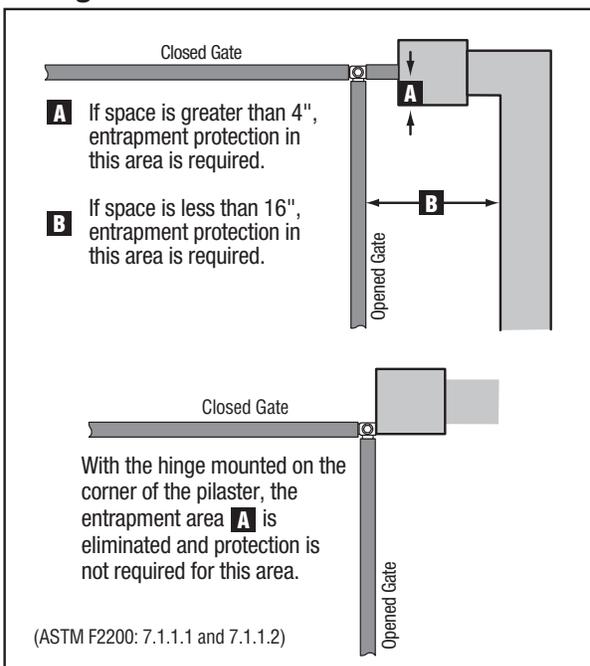
- Only install the operator on gates used for vehicular traffic.
- A separate pedestrian entry/exit must be clearly visible to promote pedestrian usage and located so pedestrians do not come in contact with the vehicular gate while it is moving.
- Install both primary and secondary devices protecting each entrapment zone.
- Pickets of a slide gate must be designed or screened to prevent persons from reaching through, or passing through a gate

See your owner's manual for complete details regarding your gate access system.

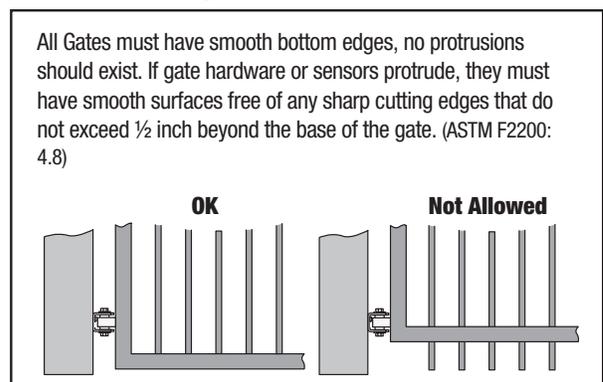
Swing Gate Site Layout Guidelines



Swing Gate Clearance Guidelines



Base of Swing and Slide Gate



UL325 and ASTM F2200 Site Planning Check List

UL325 Standards

- Operator is UL approved (look for UL label on operator)
- Proper gate warning signs attached to both sides of gate

All entrapment areas protected

Gate Operator Entrapment Protection		
UL 325 Installation Class	Swing Operators	
	Primary type (required)	Secondary Type (required)
Class I , II, III & IV <small>Circle one</small>	<input type="checkbox"/> Inherent	<input type="checkbox"/> Close Side <input type="checkbox"/> Open Side <input type="checkbox"/> Open Side N/A
Recommended entrapment Protection		

ASTM Standards

All Gates

- Gates have smooth bottom edges, no protrusions exist (ASTM F2200 4.8 – see front page)
- All access controls at least 6 ft. from gate
- Barbed tape above 8 ft.
- Barbed wire above 6 ft.
- Separate pedestrian gate – out of reach of a moving gate – vehicular gate is for automotive traffic only

Swing

- Distance from pivot point to column edge is less than 4 in. (ASTM F2200 7.1.1.2)
- Distance from open gate to wall or column greater than 16 in. or secondary entrapment protection is provided (ASTM F2200 7.1.1.1)

Other: _____

The Magic of Technology

WIZARD WORKS

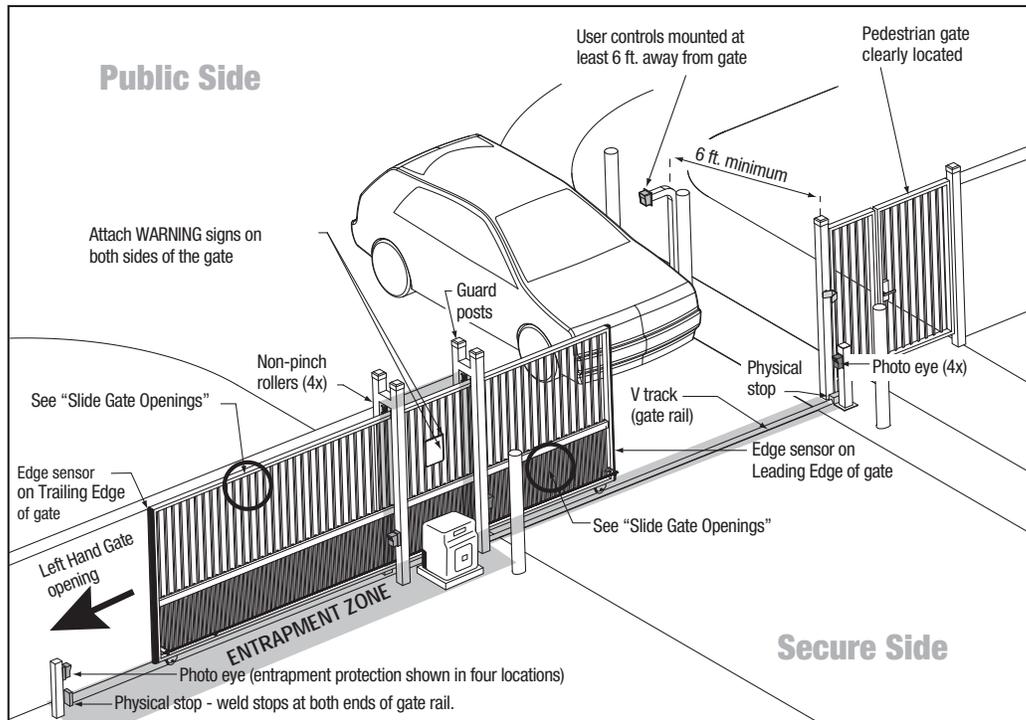
Getting Started with Gate Operator Safety

Always design, install and maintain safe gate access systems in accordance with UL325 & ASTM standards

- Only install the operator on gates used for vehicular traffic.
- A separate pedestrian entry/exit must be clearly visible to promote pedestrian usage and located so pedestrians do not come in contact with the vehicular gate while it is moving.
- Install both primary and secondary devices protecting each entrapment zone.

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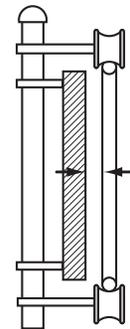
Slide Gate Site Layout Guidelines



Slide Gate Spacing Guidelines

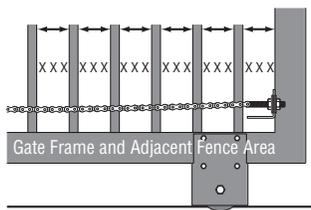
Slide Gate Gaps

A gap, measured in the horizontal plane parallel to the roadway, between a fixed stationary object nearest the roadway (such as a gate support post) and the gate frame when the gate is in either the fully open position or the fully closed position, shall not exceed 2 ¼ in.. Exception: All other fixed stationary objects greater than 16 in. from the gate frame shall not be required to comply with this section. (ASTM F2200: 6.1.4)

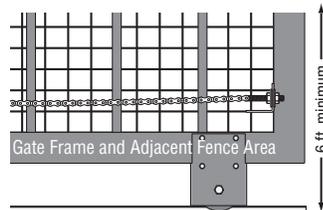


Slide Gate Openings Guidelines

Openings of a horizontal slide gate must be smaller than 2 ¼" or else be guarded or screened. These design rules apply to both the moving gate as well as the portion of adjacent fence that the gate covers in the open position. (UL325: 56.8.4.a.2 and ASTM F2200: 6.1.2) See Illustrations below.



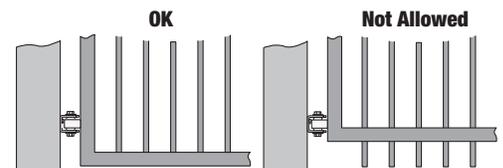
If gaps (xxx) between vertical bars of the gate or fence are less than 2 ¼", no further screening is required.



For gaps (xxx) equal to or larger than 2 ¼", a wire mesh screen must be applied to the gate. Wire mesh screen openings must be smaller than 2 ¼". The minimum height of wire mesh screen: 6 ft.

Base of Swing and Slide Gate

All Gates must have smooth bottom edges, no protrusions should exist. If gate hardware or sensors protrude, they must have smooth surfaces free of any sharp cutting edges that do not exceed ½ inch beyond the base of the gate. (ASTM F2200: 4.8)



UL325 and ASTM F2200 Site Planning Check List

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UL 325 Installation Class	Slide Operators	
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Recommended entrapment Protection		

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All Gates

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- Barbed tape above 8 ft.
- Barbed wire above 6 ft.
- Separate pedestrian gate – out of reach of a moving gate – vehicular gate is for automotive traffic only

Slide

- Roller covers on wheels
- Meshing installed up to 6 ft. above grade if pickets spaced equal to or greater than 2.25 in. apart
- Distance between pickets less than 2.25 in. – meshing not required
- Gap between gate and fence post less than 2.25 in. (ASTM F2200 4.8 see front page)
- Positive stops at both fully open and fully closed positions
- Receiver guides recessed behind receiver post or receiver guides higher than 8 ft.
- Gates prevented from falling over if disconnected from supporting hardware

Other: _____