

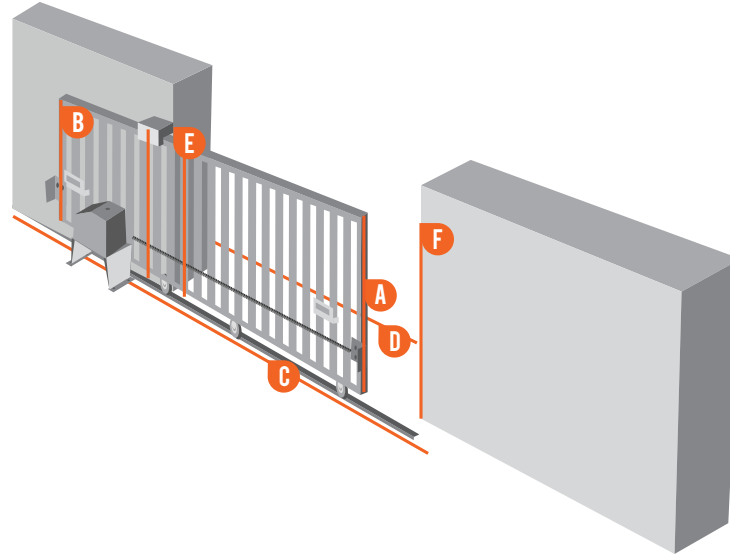
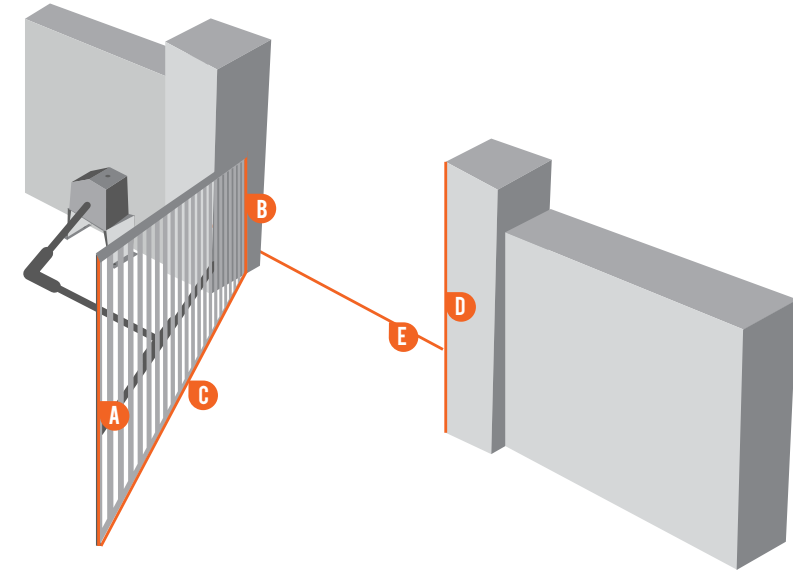
SWING GATE

Entrapment Zones:

- A. Leading edge
- B. Post/Pivot point
- C. Bottom edge of gate
- D. Post
- E. Exterior

Suggested Products:

- A. MGR20, MGS20, MGO20
- B. ME110, CPT210
- C. MGR20, MGS20, MGO20
- D. ME110, CPT210
- E. Prime-GUARD™, Reflecti-GUARD™



SLIDE GATE

Entrapment Zones:

- A. Leading edge
- B. Trailing edge
- C. Interior
- D. Exterior
- E. Center (draw-in) post
- F. Pocket

Suggested Products:

- A. MGO20, MGR20, MGS20 ME123, ME120, CPT210, CPT223
- B. MGO20, MGR20, MGS20 ME123, ME120, CPT210, CPT223
- C. Prime-GUARD™, Reflecti-GUARD™
- D. Prime-GUARD™, Reflecti-GUARD™
- E. ME110, CPT210
- F. ME110, CPT210

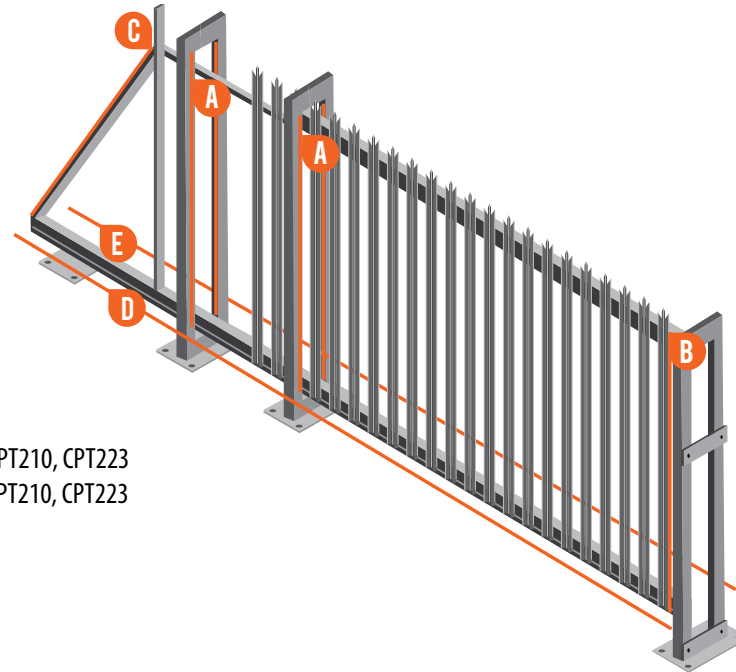
CANTILEVER GATE

Entrapment Zones:

- A. Guide (draw-in) posts
- B. Leading edge
- C. Trailing edge
- D. Interior
- E. Exterior

Suggested Products:

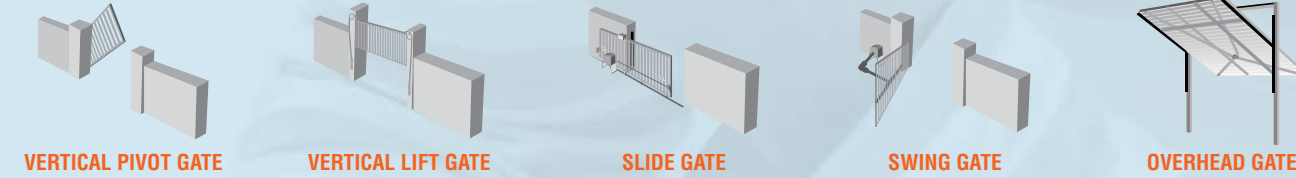
- A. ME110, CPT210
- B. ME120, MGO20, MGR20, MGS20, ME123, CPT210, CPT223
- C. ME120, MGO20, MGR20, MGS20, ME123, CPT210, CPT223
- D. Prime-GUARD™, Reflecti-GUARD™
- E. Prime-GUARD™, Reflecti-GUARD™



2016 UL 325 ENTRAPMENT PROTECTION

IDENTIFY ENTRAPMENT AREAS

It is the contractor's responsibility to determine the number of potential areas where the risk of entrapment may exist. A minimum of two independent means of monitored protection must be present at all motorized gate entrapment points. The same device cannot be used for both means.



MONITOR PROTECTION DEVICES

Most UL listed gate operators manufactured after January 12, 2016 incorporate a monitored inherent (built-in) device along with an input for a monitored external device. These external sensors are monitored for presence and function at least once during each operation cycle.



PROTECT UNIVERSAL SAFETY

As the pioneer of gate safety, Miller Edge's gate collection includes photo eyes and gate edges, which are available in multiple monitored electrical configurations. In addition, monitored accessories offer compatibility with nearly any operator brand to suit your safeguarding needs.



GATE SAFETY



MillerEdge
AT WORK OR AT HOME
MAKING YOUR WORLD
A SAFER PLACE



ENTRAPMENT & HAZARD ZONE PROTECTION

Illustrations show common entrapment and hazard zones to consider, however each installation is unique. Be sure to consider all potential safety hazards and incorporate appropriate Miller Edge guarding into your overall gate design.

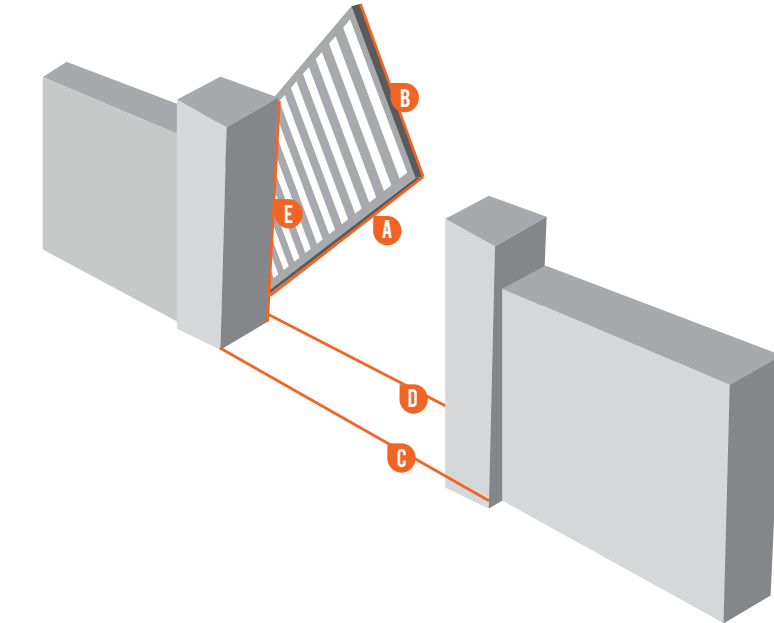
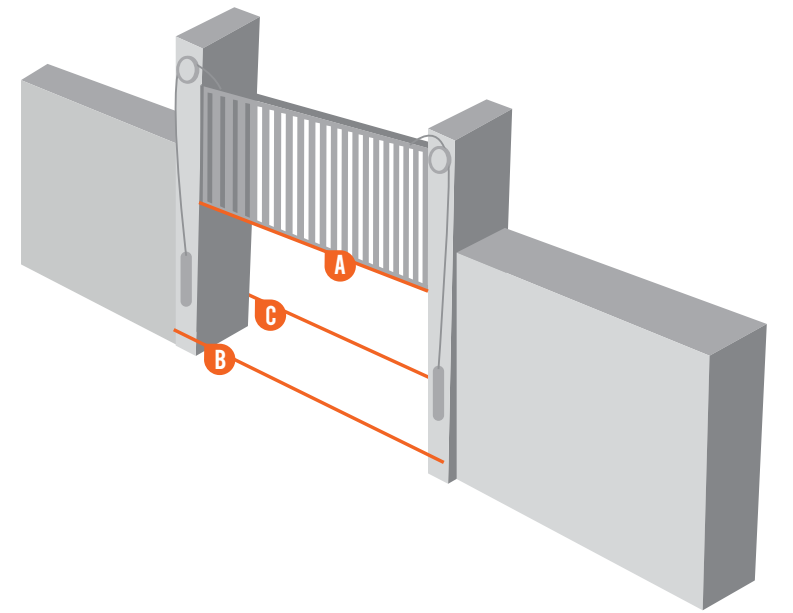
VERTICAL LIFT GATE

Entrapment Zones:

- A. Leading edge/Bottom edge of gate
- B. Interior
- C. Exterior

Suggested Products:

- A. MGO20, MGS20, ME123, ME120, CPT223
- B. Prime-GUARD™, Reflecti-GUARD™
- C. Prime-GUARD™, Reflecti-GUARD™



VERTICAL PIVOT GATE

Entrapment Zones:

- A. Bottom edge of gate
- B. Side of gate
- C. Interior
- D. Exterior
- E. Pocket

Suggested Products:

- A. MGO20, MGR20, MGS20, ME123, ME120, CPT 210, CPT223
- B. MGO20, MGR20, MGS20, ME123, ME120, CPT 210, CPT223
- C. Prime-GUARD™, Reflecti-GUARD™
- D. Prime-GUARD™, Reflecti-GUARD™
- E. ME110, CPT210

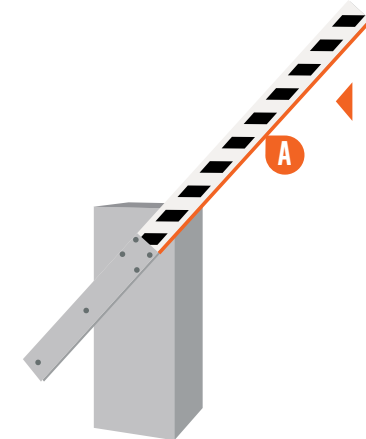
BARRIER ARM GATE

Hazard Zone:

- A. Boom

Suggested Products:

- A. ME110, ME111, CPT210



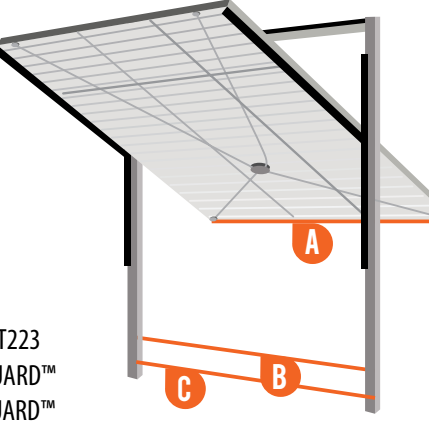
OVERHEAD GATE

Entrapment Zones:

- A. Leading edge/Bottom edge of gate
- B. Exterior
- C. Interior

Suggested Products:

- A. MGO20, MGS20, ME120, CPT223
- B. Prime-GUARD™, Reflecti-GUARD™
- C. Prime-GUARD™, Reflecti-GUARD™



SENSING EDGES

ME110



Uses: Vertical Pivot, Barrier Arm, Swing, Slide, Cantilever, Grilles

Size: 3/4"H x 7/8"W
18 mm H x 23 mm W

Configuration:

Wire Outlet: End, left, or right

Color:

Mounting Channels: ME110-C, ME110-C2, ME110-C3

ME111



Uses: Barrier Arm

Size: 1 1/2"H x 7/8"W
37 mm H x 22 mm W

Configuration:

Wire Outlet: End, left, or right

Color:

Mounting Channels: ME110-C, ME110-C2, ME110-C3

ME120



Uses: Vertical Lift, Vertical Pivot, Overhead, Slide, Cantilever, Grilles

Size: 1 15/16"H x 1 7/16"W
49 mm H x 36 mm W

Configuration:

Wire Outlet: End, left, or right

Color:

Mounting Channels: ME120-PC, ME120-C

ME123



Uses: Vertical Lift, Vertical Pivot, Slide, Cantilever, Grilles

Size: 1 1/2"H x 1 7/8"W
38 mm H x 48 mm W

Configuration:

Wire Outlet: Universal, end, left, or right

Color:

Mounting Channels: ME123-C, ME123-C3, ME123-CA3, ME123-C7

D-I-Y SENSING EDGES

CPT210



Uses: Barrier Arm, Vertical Pivot, Swing, Slide, Cantilever, Grilles

Size: 1 1/8"H x 7/8"W
28 mm H x 23 mm W

Configuration:

Wire Outlet: Universal

Color:

Mounting Channels: ME210-C3, ME210-C7

CPT223



Uses: Vertical Lift, Vertical Pivot, Overhead, Swing, Slide, Cantilever

Size: 1 5/8"H x 1 11/16"W
41 mm H x 42 mm W

Configuration:

Wire Outlet: Universal

Color:

Mounting Channels: ME123-C, ME123-C3, ME123-CA3, ME123-C7

PHOTO OPTICS

Prime-GUARD™



Monitored Thru-Beam Photo Eye

Model: PG

Configuration:

Benefits:

- 50' (15 m) and 100' (30 m) range models
- Wireless battery powered emitter
- Optional fail safe configuration

Reflecti-GUARD™



Monitored Retro-Reflective Photo Eye

Model: RG

Configuration:

Benefits:

- 30' (9 m) range
- No batteries required
- Optional fail safe configuration
- Optional RG-HOOD accessory for snow, rain, dust, and debris

3-SIDED SENSING EDGES

MGO20



Uses: Vertical Lift, Vertical Pivot, Overhead, Swing, Slide, Cantilever, Grilles

Size: 1 15/16"H x 1 7/16"W
49 mm H x 36 mm W

Configuration:

Wire Outlet: End, left, or right

Color:

Mounting Channels: ME120-PC, ME120-C

MGR20



Uses: Swing, Slide, Vertical Pivot, Cantilever

Size: 2 7/8"H x 3 5/8"W
73 mm H x 92 mm W

Configuration:

Wire Outlet: Universal, left, or right

Color:

Mounting: Mounting tab & screws

MGS20



Uses: Swing, Slide, Vertical Pivot, Cantilever

Size: 2 11/16"H x 3 1/4"W
68 mm H x 83 mm W

Configuration:

Wire Outlet: Universal, left, or right

Color:

Mounting: Mounting tab & screws

CONFIGURATIONS



MONITORED

Photo optics and edges can be configured to be monitored by gate operator controls. UL Listed gate operators manufactured after 2016 require monitored devices for guarding entrapment areas.



ELECTRIC

Electric edges contain two conductive strips. When the sensor is compressed, the conductive elements come into contact, which sends an electric signal to the motor.



AIR-WAVE

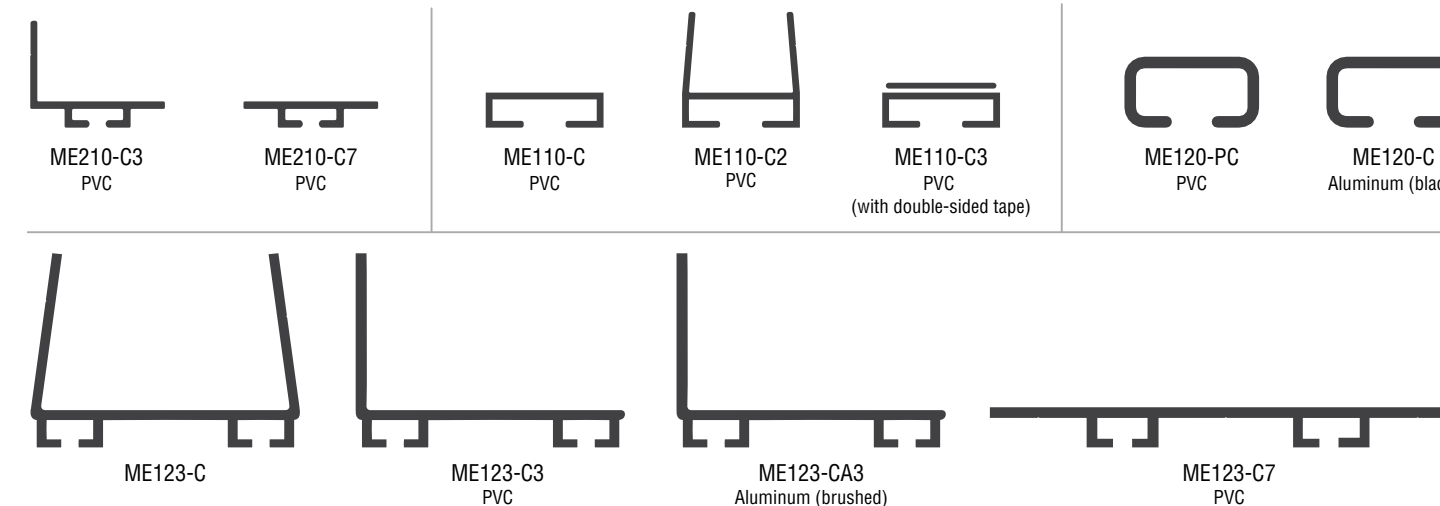
Air-wave edges are non-monitored, feature adjustable sensitivity, and are a low-cost option when a non-electric edge is preferred. Air-wave edges contain a flexible hose, which is connected to an air switch that – when compressed – sends a signal to the motor.



PNEUMATIC

Pneumatic edges are non-monitored and offer a reliable alternative to the standard electric edge. They contain a flexible hose, which is connected to a pneumatic switch that – when compressed – sends a signal to the motor.

MOUNTING CHANNELS



ACCESSORIES

- Transmitters & Receivers
- Junction Boxes

- Air-Wave Switches
- Pneumatic Switches

THE SOLUTION: MULTI-INPUT MODULE



Model: MIM-62

Configuration:

Benefits:

- Connects up to 6 monitored entrapment devices to operator
- Auto-detects device interfaces
- Flexible input/output configurations
- Compatible with nearly all gate operator brands

GATE EDGE MODULE



Models:

- GEM-102: 2-wire pulsed
- GEM-103: 4-wire pulsed
- GEM-104: Normally closed

Configuration:

Benefits:

- Converts a 10K wired edge signal
- Compatible with nearly all gate operator brands