



July 2011  
C-Gate Entry Systems, Ltd.  
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# Safety Devices

- **Emergency Stop Button, Roller Covers & Screening**
- **Safety “Bump” Edges (UL 325 Contact Sensors)**
- **Photo Eyes & Infrareads (UL 325 Non Contact Sensors)**
- **Vehicle Loop Detectors (Vehicle protection)**
- **Sealant, Loop Wire, Loop kits & Direct Burial Loops**
- **Fire Department Box & Stop / Go Traffic Lights**
- **S.O.S. & Click2Enter**
- **Warning Signs, Safety Tape, Beepers & Strobes**



## Safety Devices

### Emergency STOP Button

- + Stops the gate in case of an emergency.
- + May also reset some gate operators when alarming.



#### Item

#### MSRP

##### STOP Button

\$95

- + NEMA 4 enclosure
- + Interior or exterior use

### Cantilever Roller Covers

#### Top Roller Covers

\$160

- + High Density Molded Plastic
- + Set of Two

#### Bottom Roller Covers

\$190

- + High Density Molded Plastic
- + Set of Two with steel mounting hardware



### Gate Screening Materials

#### Vinyl Coated Welded Wire Fabric

- + 2" x 4" tall mesh by 48" tall
- + Available in Black & Forest Green
- + Can be shipped via UPS

Black (stock) 100' roll \$300  
 Per lineal foot \$4 / ft.

Green (Not in stock) 100' roll \$400  
 Per lineal foot \$5 / ft.





## Safety Devices

### Safety “Bump” Edges (UL325 Contact Sensor)

- + Designed for pedestrian Safety
- + Stops or reverses the gate when the gate edge hits an obstruction.
- + Can be mounted to either end of gate, on adjoining posts, etc.

<b>Item</b>	<b>MSRP</b>
<b>Miller model ME-120 w/PVC channel</b>	
4’ Long Safety Edge – black (stock item)	\$180
5’ Long Safety Edge – black (not stock, must order)	\$220

**Miller Edge makes many fine gate edges. We choose to stock the 4’ long, ME-120, in black.**

**Any Miller edge can be quoted & ordered upon request.**

Mounting Kit (weld or screw on) (comes with self drilling screws)	\$24
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### Retractable Coil Cords w/ 6” lead

- + 18 AWG/2 Conductor
- + Eliminates the need for radio controls when used for small gates,
- + Use for post mounted edges, etc.

12’ Extended (2’ retracted) – stock	\$25
20’ Extended (4’ retracted)	\$30

### Typical Manufacturer’s requirements:

Slide Gate	5 edges required
Swing Gate	Both lateral sides of the bottom rail, inside & outside of the leading edge of the gate (and they still recommend Photo beams!)
VPL (Lift Gate)	Entire bottom of bottom rail and leading edge of gate panel.



*Miller Model  
 ME-120  
 Safety Edges*



*Mounting Kit*





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## Safety Devices

### Safety "Bump" Edge Radios & Kits (UL325 Contact Sensor)

Item	MSRP
<b>Safety Edge Radio Transmitter</b>	
Multi Code	\$120
LINEAR	\$120
Tri-Code (Multi Code, Linear & Stanley)	\$90
<b>Single Channel Safety Edge Radio Receiver w/ Antenna</b> 12 - 24 Volt ac/dc	
Multi Code	\$100
LINEAR	\$100
Tri-Code (Multi Code, Linear & Stanley)	\$85
<b>Two Channel Safety Edge Radio Receiver w/ Antenna</b> 12 - 24 Volt ac/dc	
✚ Used when safety edge <u>and</u> radio control is required or for multiple edges	
✚ NOT a stock item.	
Multi Code	\$140
LINEAR	\$140
Tri-Code (Multi Code, Linear & Stanley)	\$120



*Multi-Code  
Receiver &  
Transmitter*



*Tri-Code  
Receiver*



*Linear  
Receiver*

### Complete Sets

✚ Has edge, transmitter, single channel receiver & mounting kit	
✚ Specify Linear or Multi-Code	
4' Long Safety Edge Kit (stock item)	\$424
5' Long Safety Edge Kit (not stock, must order)	\$434

### Dan the Gateman's comments:

I'm not a big fan of Bump Edges on the leading edge of a gate because the gate must hit an object before reversing. If that object happens to be a moving vehicle, the edge usually gets ruined. In my opinion, they are adequate protection for pedestrians but should not be used in high traffic areas. A residence would be an okay place for a bump edge. On the tail of a slide gate, they are fine as the object they bump is rarely moving. Ditto on post mounting them to protect "pinch or entrapment" points.





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## Safety Devices

### “Smart” Safety “Bump” Edge Radios (UL325 Contact Sensor)

Item	MSRP
<b>Safety Edge Radio Transmitter</b>	
MGT Mega Code Transmitter	\$140

#### Compatible with:

- ✚ AP-5 Receiver
- ✚ All Linear APeX gate operators
- ✚ RE-1 & RE-2 Tel Entry Devices
- ✚ AE-500 Tel Entry Device
- ✚ AE 1000 & 2000 PLUS Tel Entry Devices
- ✚ WOR Wiegand Output Receiver



*MGT  
Mega Code  
Transmitter*

#### Wireless Access Controller

##### “Smart” Radio Receiver w/ Antenna

12 - 24 Volt ac/dc

- ✚ Supports up to 6 MGT transmitters & edges
- ✚ Also supports up to 230 ACT-31B remotes
- ✚ Supports MDKP, wireless key pad

\$162



*AP-5  
Mega Code  
Receiver*

#### Also Available:

- All Miller Edge Products
- Pneumatic safety devices
- Rubber Bump Edges (non sensing)



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# Photo Eye & Infrared

## Installation / application notes

### For reliable operation:

**Max. Gate  
Opening  
(to use for  
gate path)**

**Max. Gate  
Opening size  
(to use for  
gate "tail")**

### Reflector Types:

<b>Enforcer "Mini Might" Infrared</b>	<b>26' opening</b>	<b>20' opening</b>
<b>Omron E3K photo beam</b>	<b>22' opening</b>	<b>18' opening</b>
<b>A/B 42 GRU photo beam</b>	<b>18' opening</b>	<b>15' opening</b>

### Send & Receive Types:

<b>Enforcer Infrared</b>	<b>70' opening</b>	<b>45' opening</b>
<b>Miller Invisi-Guard</b>	<b>26' opening</b>	<b>20' opening</b>



## Safety Devices

### Photo Eyes (UL325 Non-Contact Sensor)

✚ Stops or reverses the gate when an object is blocking the path of the photo eye.

#### Reflector Type (up to 26' gate opening)

##### Item

##### MSRP

##### Enforcer "Mini Might"

- ✚ 24 to 240 Volts AC / 12 to 240 Volts DC
- ✚ With 3" reflector

\$250

##### Complete "Kit" for installation

- ✚ Includes reflector bracket
- ✚ Up to 10' of flexible conduit, fittings & wiring

\$335



#### Reflector Type (up to 22' gate opening)

##### Item

##### MSRP

##### OMRON model E3K

- ✚ 24 to 240 Volts AC/DC
- ✚ With 3" reflector

\$270

##### Complete "Kit" for installation

- ✚ Includes reflector bracket
- ✚ Up to 10' of flexible conduit, fittings & wiring

\$360



#### Reflector Type (up to 18' gate opening)

##### Item

##### MSRP

##### Allen Bradley 42 GRU

- ✚ 20 to 40 Volts AC / 10 to 55 Volts DC
- ✚ With 3" reflector

\$335

##### Complete "Kit" for installation

- ✚ Includes reflector bracket
- ✚ Up to 10' of flexible conduit, fittings & wiring

\$360





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## Safety Device Accessories

### Reflectors & Reflector Mounting Brackets

Item	MSRP
3" Reflector	\$14
✚ For use with OMRON, Mini Might or A. B.	
Reflector Mounting Bracket	\$25
✚ For use with 3" photo eye reflector	
✚ Weld on or screw to square post	
Reflector Mounting Bracket (bolt on round post)	\$45
✚ For use with 3" photo eye reflector	
✚ Specify 3" or 4" diameter post	



### Hoodies for photo eyes & reflectors

Item	MSRP
Photo Beam "Hoodie"	
✚ With ELL bracket & bolt	
✚ Weld or screw on mounting	
Per Each	\$50
Per Pair of two	\$90





## Safety Devices

### Photo Eyes (UL325 Non-Contact Sensor)

✚ Stops or reverses the gate when an object is blocking the path of the photo eye.

### Send & Receive Type (up to 70' gate opening)

Item	MSRP
<b>ENFORCER, Laser Aim, Dual Beam-Infrared</b>	\$365
✚ 12 or 24 Volts DC (12 vdc is best)	
✚ Requires power on <b>both sides of gate</b>	
✚ Laser beam on each for easy aiming & adjustment	
 <b>Complete "Kit" for installation</b>	
✚ Includes reflector bracket	
✚ Up to 10' of flexible conduit, fittings & wiring	
	\$680
Transmitter Only	\$180
Receiver Only	\$223
Replacement Cover (plastic)	\$60
 Filtered Power Supply (SMP-3)	
✚ For filtered 12 volt dc power	\$90
 Voltage Regulator	
✚ Steps down 24 vdc to 12 vdc for transmitter	\$15
 <b>Solar Panel w/ battery to power transmitter</b>	
✚ Supplies transmitter unit with 12 volts DC	\$450



### Mounting Brackets for Enforcer Infrared Beams

Item	MSRP
Weld on Mount Bracket	
✚ Accepts 1/2" OR 3/4" conduit fitting	\$48
3" Post Mount Bracket	
✚ Accepts 1/2" OR 3/4" conduit fitting	\$82
4" Post Mount Bracket	
✚ Accepts 1/2" OR 3/4" conduit fitting	\$82





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## Safety Devices

### Photo Eyes (UL325 Non-Contact Sensor)

✚ Stops or reverses the gate when an object is blocking the path of the photo eye.

### Send & Receive Type (up to 26' gate opening)

Item	MSRP
<b>Invisi Guard by Miller Edge</b>	\$325
✚ Receiver operates on 10 – 30 volts DC	
✚ Transmitter last a year on 2 AA Lithium batteries	
✚ Audible alarm when battery power is low	
<b>Complete “Kit” for installation</b>	
✚ Includes reflector bracket	
✚ Up to 10’ of flexible conduit, fittings & wiring	\$570
Filtered Power Supply (SMP-3)	
✚ For filtered 12 volt dc power	\$90
Voltage Regulator	
✚ Steps down 24 vdc to 12 vdc for transmitter	\$15



### Send & Receive Type (up to 60' gate opening)

Item	MSRP
<b>ALEPH model HA 70 D</b>	\$325
✚ We currently use ENFORCER in lieu of these	
✚ Shown for replacement use ONLY	
✚ 12 to 24 volts DC only	
Bridge Rectifier	
✚ May be required if using with 24 volt AC control circuit.	\$10
Filtered Power Supply (SMP-3)	
✚ For filtered 12 volt dc power	\$90





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## Vehicle Loop Detectors (for vehicular protection)

### Loop Detectors, Single relay

- Single Relay, Fail Safe\* Loop Detectors
- External Switching, Standard 11 Pin Octal Socket  
 (sold without harness or base)

Item		MSRP
AX-4	12-24 AC/DC	\$180

### Specific Voltage detectors below are special order.

AX-23	12 volt DC	\$180
AX-24	24 volt DC	\$180
AX-7	24 volt AC	\$180
AX-3	120 volt AC	\$180

\* Fail Secure detectors are available by special order

### Loop Detectors, Two relay

- 2 Relay, Single Channel
- External Switching, Standard 11 Pin Octal Socket  
 (sold without harness or base)

Item		MSRP
BX-4	12-24 AC/DC	\$200

\* Fail Secure detectors are available by special order

### Plug In Detector, two relay

Item		MSRP
APeX	24 VDC	\$200

\* For LINEAR APeX controlled Operators

### Board Detector, two relay

Item		MSRP
K-24	24 VAC	\$180

\* For LINK, Sentex & Liftmaster Operators





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## Vehicle Loop Detector, Hardware

### *Mounting Hardware/Labor*

<b>Item</b>	<b>MSRP</b>
Standard Wiring Harness (1)	\$20



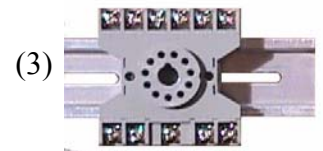
(1)

Din Rail Mounting Base (2)	\$16
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(2)

Din Rail 39-3/8" long (3)	\$40
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(3)

### NOTE:

Vehicle detection loops may NOT always detect the presence of a motorcycle. Riders can find an accessory for their bike at [www.signalsorcerer.com](http://www.signalsorcerer.com)

## Installation in gate operator

Pre-wire detector in operator	\$60
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## Vehicle Loop Detector, Supplies

### Loop Wire, Sealant, and Supplies

Item		MSRP
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#### Sealant

2-Part (Polyester)	1 gallon w/ hardener	\$75
	Extra hardener (per tube)	\$12
	4 gallon case	\$280

Bottle Spout	Fits 2-liter pop bottle	\$3
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Asphalt Emulsion	1 gallon w/ spout	\$26
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Latex Gloves	Per pair	\$2
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#### Loop Wire

✚ Per 2,500 ft. spool	\$350
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#### Loop Kit

Single (One Loop)	Includes:	\$150
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- ✚ 1 gallon sealant
- ✚ 2 tubes of hardener
- ✚ 4 bottle tops
- ✚ 200' of wire
- ✚ 4 latex gloves

Double (Two Loops)	Includes:	\$235
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- ✚ 2 gallons sealant
- ✚ 4 tubes of hardener
- ✚ 6 bottle tops
- ✚ 400' of wire
- ✚ 8 latex gloves

#### Pre-Formed/Direct Burial/Pave Over Loops

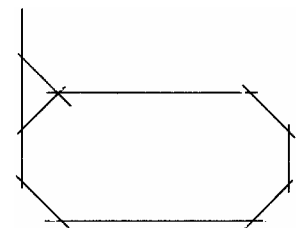
30' Loop Perimeter	\$150
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✚ Up to 5' x 10' Loop, 15' to 25' lead in

50' Loop Perimeter	\$200
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✚ Up to 5' x 20' Loop, 15' to 25' lead in

EXTRA Lead in (up to 50')	\$40
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*Ultra-loop*

Pre-Formed



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## Safety Devices

### Emergency Devices

#### Fire Department Box

- ✚ Fire Department or the owner puts their padlock on the Fire Department Box.
- ✚ The Fire Department either unlocks it or cuts it off.

#### Item

#### MSRP

**Storage Type:** Owner puts gate code, mini transmitter or some way to open gate inside

\$170

**Relay Type:** Open the “door,” the gate opens & stays open until they close and padlock it again (does not include padlock)

\$190

3” OD mounting bracket

\$25

4” OD mounting bracket

\$30



### STOP / GO traffic Light.

#### Item

#### MSRP

#### Red / Green Light

Requires 110 volt, AC power

With 6’ mounting post welded on 8” x 8” mounting plate.

\$640





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## Safety Devices

### Emergency Devices

#### S.O.S.

The S.O.S. unit is a device that upon "hearing" an emergency vehicle's "YELP" siren will activate a relay that triggers the gate to open. A decal is placed where emergency vehicle personnel can see it. A copy of the decal is below.

#### Item

Emergency Gate Opening Device (requires 9-300 volts AC/DC)

#### MSRP

\$650

#### Requires:

12 volt DC filtered power supply

\$95



#### Click2Enter

Click2Enter does away with all of the cumbersome keys, access control codes, and remote control actuators, because every emergency response vehicle and responder carries the key-their mobile or portable radio transceiver. Just a simple 'click' of the radio transmitter button is all that's required to open gates, parking arms, doors, and commercial roll-up doors.

#### Item

Emergency Gate Opening Device (requires 9-300 volts AC/DC)

#### MSRP

\$1,480

#### Requires:

12 volt DC filtered power supply

\$95





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## Safety Devices

### Warning Devices

#### Item

#### MSRP

Warning Signs

\$5



Safety Tape (2" wide x 108' long roll)

✚ Yellow & Black (per roll)

\$26

✚ White & Black (per roll)

\$35



Warning Beeper (Beeps when gate is moving)

✚ 12 or 24 volt AC/DC

\$63



Flashing/Strobe Light (Flashes when gate is moving)

✚ Certain operators may require an added relay

✚ Order blue, red, or yellow

✚ Order 12, 24, or 120 volt

\$230

Replacement Bulb

\$30

Extension Post / Mount (1/2" threaded)

\$125

