UL 325 - 2016 READY

Use of Approved External Entrapment Protection Sensors is REQUIRED

The gate operator will not automatically cycle the gate unless an indication that the appropriate number of external entrapment protection sensors are connected and operational.

The normally closed (NC) entrapment protection sensors wired to the Controller's SENSOR inputs are monitored using HySecurity software. Prompts appear in the display requesting specific configurations based on the gate operator type.

⚠️ **CAUTION**

All external entrapment protection sensors must be NC sensor outputs and wired to the SENSOR COM terminal for monitoring and powering purposes. The sensor becomes actively powered when the gate operator's motor runs.

ONLY the Sensors and Accessories Listed Below have been tested by HySecurity *and* UL or ETL for External Entrapment Protection Use

HySecurity Tested SENSORS

Device Type	Mfg. Part #	Mfg.	Usage	HySecurity Part #
Wraparound edge	MGR20-2U-05-T2*	Miller Edge	5'/2" round - w/10kΩ resistor	MX3981
Wraparound edge	MGS20-2U-05-T2*	Miller Edge	5'/2" square - w/10kΩ resistor	MX3982
Standard edge kit	MGO20-2E-05-T2*	Miller Edge	5'/1-½" - w/10kΩ resistor	MX4037
Reflective photo eye kit	E3K-R10K4-NR	Omron	40' max range limit	MX000999
Reflective photo eye	Reflecti-Guard RG-R	Miller Edge	25' max range limit	MX3985
Thru-beam photo eye kit	IRB-MON	EMX	65' max range limit	MX3990
Thru-beam photo eye kit	IRB-325	EMX	50' max range limit	MX000846

HySecurity Tested SENSOR ACCESSORIES

Device Type	Mfg. Part #	Mfg.	Usage	HySecurity Part #
Wired edge module	GEM-104* interface module	Miller Edge	Use one with each edge*	MX3983
Wireless edge link	MGL-TX20**	Miller Edge	Transmitter	MX3986
Wireless edge link	MGL-RX20**	Miller Edge	Receiver	MX4013
Wireless edge link	MGL-K20**	Miller Edge	Kit with transmitter & receiver	MX4015
Multi-Input module	The Solution - MIM-62**	Miller Edge	Input expansion >3	MX3987

* An 8.2 or 10kΩ terminating resistor is needed on all edge sensors
** GEM-104 is not required when edge sensors are paired with Wireless Edge Link or the Multi-Input Module
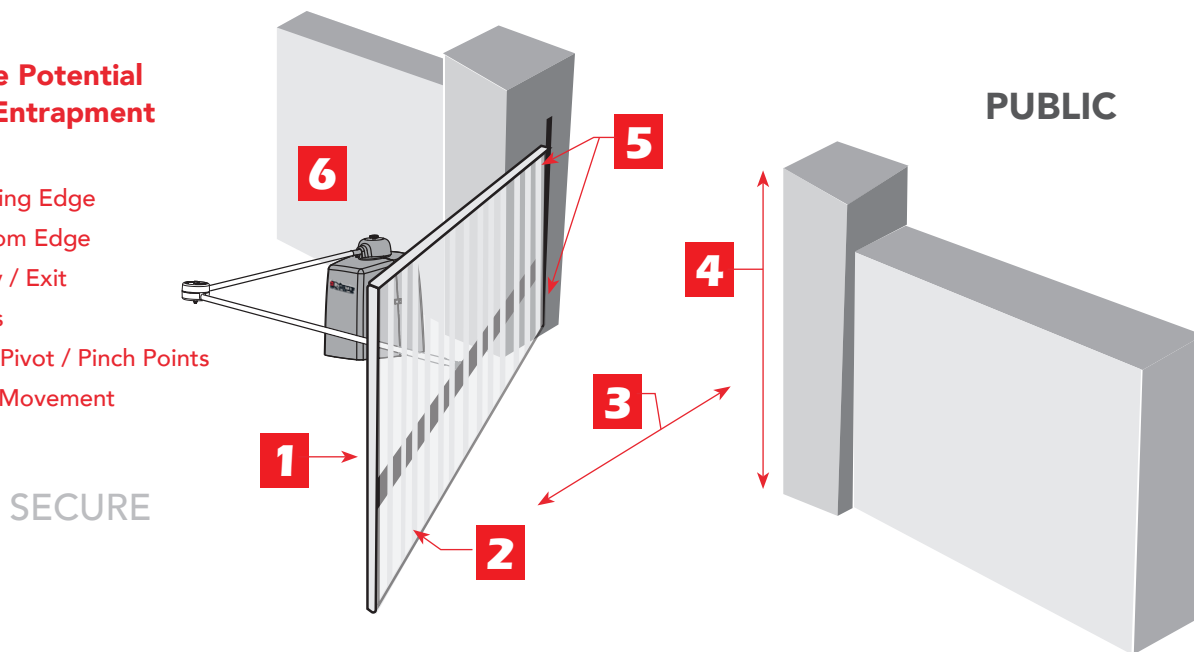
For more information and latest updates, visit **www.hysecurity.com/gatesafety**

Installers must assess each specific site and install sensors that protect all potential entrapment zones.
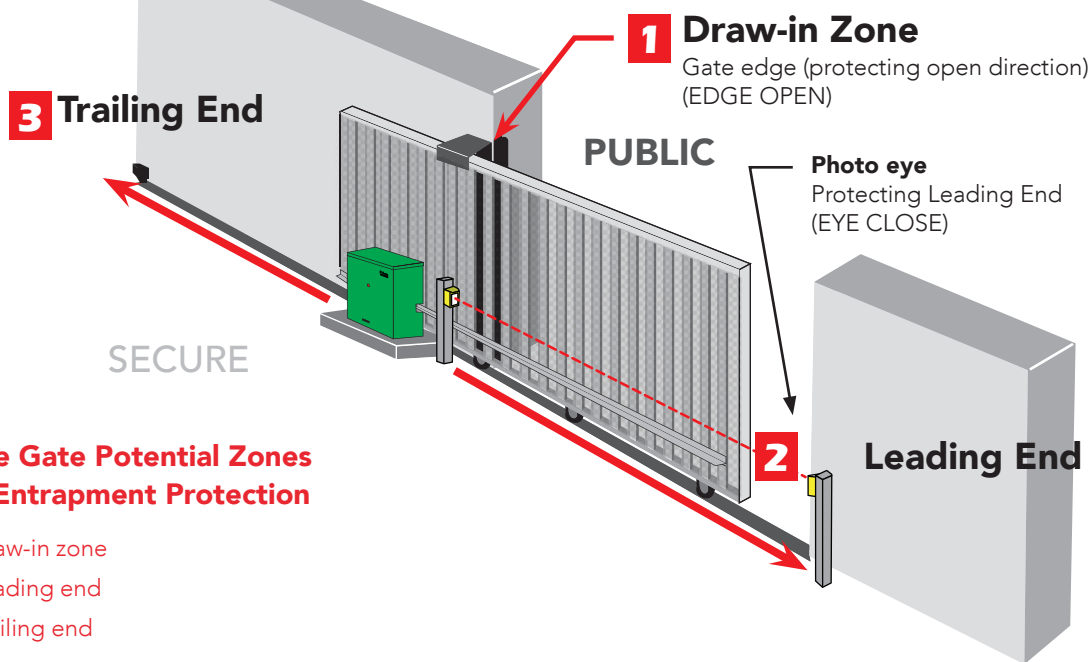
See HySecurity Gate Operators UL 325 - 2016 Quick Start Supplement for more information

Swing Gate Potential Zones for Entrapment Protection

1. Leading Edge
2. Bottom Edge
3. Entry / Exit
4. Posts
5. Post Pivot / Pinch Points
6. Arm Movement

PUBLIC

SECURE

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1 Draw-in Zone
Gate edge (protecting open direction)
(EDGE OPEN)

3 Trailing End

PUBLIC

Photo eye
Protecting Leading End
(EYE CLOSE)

SECURE

2 Leading End

Slide Gate Potential Zones for Entrapment Protection

1. Draw-in zone
2. Leading end
3. Trailing end

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Contact HySecurity for an operator/parts distributor near you.
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