

Universal Safety Response™, A Smith & Wesson® Company



YOUR GLOBAL SECURITY PARTNER

ACCESS CONTROL | Ultra High Speed Gate Operator



EXCLUSIVE VMAG DEALER

USR proudly represents VMAG, the world's first linear induction high speed gate operator. The gate operator uses proven LIM technology to open, close and lock security gates with unmatched speed and reliability. This revolutionary system represents a paradigm shift in technology that conquers the inherent weaknesses found in existing gate operating systems. Recommended for homeland security, airports, industrial and institutional applications, this innovative system is the world's fastest gate operator. The system is compatible with most existing access control devices and can be specified for new construction or easily retro-fitted to accommodate existing gates.

OVERVIEW

- *Patented linear induction technology*
- *No moving drive components*
- *Unmatched speed and reliability*
- *Eliminates hydraulics*
- *Compatible with existing gates*
- *Secure locking feature*

The patented design utilizes proven linear induction technology, with advanced electronic controls, to open and close security gates at speeds up to 8 feet per second. This compared with existing "high speed" gate operators yielding only 1 to 2 feet per second. Clean electro-magnetic technology is also "green" and uses no moving parts, providing superior performance and reliability, without environmental consequences.

With speeds of up to **8** feet per second or more.





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FEATURES

- **No moving drive components**

The drive operation is performed using linear induction motors having no moving parts. This technology is similar to that used on airport trams and new catapult systems. This electromagnetic operation results in unsurpassed SPEED and reliability with virtually no maintenance. No hydraulic hoses, cables, pulleys, chains, gears or sprockets.

- **Self calibrating**

The gate operator will automatically calibrate itself on startup.

- **Variable speed and gate size**

The system is designed to operate slide gates regardless of weight or length. The standard speed of 6 feet per second can be faster if required. The speed advantage can significantly improve operating efficiency where single vehicle entry or exit is mandated. (Eg. Airport AOA gates.)

- **Easy Installation**

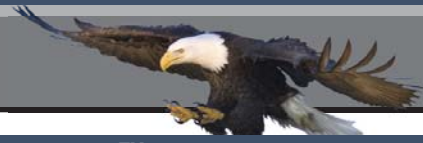
Drive motors and reaction fins mount directly to the gate. Motors float with the gate, thus eliminating critical alignment. No concrete pads are needed.

- **Positive Locking Feature**

A locking pin secures the gate in the open and closed position. A lockable manual release can be used in the event of power loss. Emergency backup power systems can be adapted to assure 100% service during power losses. The controller automatically re-learns limits and gate load when the power is restored.

- **Compatibility**

The gate operator is fully compatible with most access control devices such as loop detectors, photo beams, keypads, card readers, etc...



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An operator consists of a controller, reaction fin and linear induction motor assembly designed for a standard 20' opening. Additional aluminum reaction fin, brackets and hardware may be ordered separately in 6-1/2' lengths to accommodate larger openings. The standard operator will handle openings up to 35' and even larger gates can be accommodated with the correct product configuration.

The aluminum reaction fin sections are mounted to the gate using supplied brackets and hardware. No special tools are required for installation.

The controller can be mounted on a fence post, an adjacent wall or a freestanding pedestal. A licensed electrician is required for proper electrical hook up. A factory authorized and trained installer should supervise the operator installation.

Electrical Supply

Volts	208-240, 440-480 VAC
Phase	3 Phase 50/60 Hz
Branch Current	20-30 Amp depending on application

Control Enclosure

Listings	UL 508 Types 4,12 and 13 Meets NEMA/EEMAC Types 4, 12 and 13
Dimensions	30"W x 24"H x 12"D
Material	14 gauge steel, ANSI-61 gray powder coat both inside and outside

