



# MAGNETEK

## COLLISION AVOIDANCE SYSTEMS

### REFLX® 45, LASERGUARD™ MINI, AND LASERGUARD™ 2

Limiting the risk of collisions means increased operator safety, lower maintenance costs, and improved productivity and uptime. Magnetek® brand collision avoidance systems, available in multiple configurations, allow you to choose the exact functionality, size, and style to fit your specific application needs. These systems are ideal for all types of cranes equipped with variable frequency drives, soft starters, or contactor controls.

#### **REFLX® 45**

The ReFlx 45 is a simple, cost-effective system ideal for single-stop action. All electronic components are built into one housing to enable easy installation on overhead material handling systems.



#### **LASERGUARD™ MINI**

Get your crane up and running quickly with the LaserGuard Mini. This simple-to-install system allows you to program distances directly on the laser or with a PC application. LaserGuard Mini features a compact design with components installed on a DIN rail in an open panel for easy serviceability. With a dual set-point sensor, an initial slowdown point, and a stop point, LaserGuard Mini can help prevent crane-to-crane and crane-to-wall collisions.



#### **LASERGUARD™ 2**

The most technologically advanced collision avoidance system available, LaserGuard2 features self-monitoring optical lasers that automatically check and relay required adjustment information to cranes, helping avoid collisions and freeing up operators to work on other tasks. This system combines pushbutton programming for easy operation with flexibility to manage crane-to-crane and crane-to-wall operation.





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## REFLX<sup>®</sup> 45, LASERGUARD<sup>™</sup> MINI, AND LASERGUARD<sup>™</sup> 2



FEATURES	ReFlx 45	LaserGuard Mini	LaserGuard2
Distance*	3-45 ft (0.9-13.7 m)	8"-164 ft (0.2-50 m)	8"-150 ft (0.2-45.7 m)
Sensor Rating**	IP67	IP65	IP65
Voltage Rating	12-240 VAC/VDC	85-264 VAC, 120-370 VDC	85-264 VAC, 120-370 VDC or 9-36 VDC (optional)
Components	Sensor, 2x2 ft. reflector, sensor bracket	Laser, mounting bracket, DIN-mount power circuit, 2x2 ft. reflector, sensor cable	Laser support unit, 2x2 ft. reflector, laser, mounting bracket, sensor cable
Certifications	cULus	cULus	None
Distance Set Points	One	Two	Three
Diagnostic Indicators	LEDs for power and status	LEDs for power and status	LEDs for power and status
Options	DIN-mount reflector	NEMA 4X configuration	NEMA 4X configuration

\* Runway length may be greater than detection range.

\*\* System may not operate properly in direct sunlight or inclement weather conditions.



CRANE SOLUTIONS



MAGNETEK

Yale



UNIFIED

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