

Crane Sentry Overview: Collision Detection

Overhead crane collision monitoring and no-fly zone control



Crane Sentry

SUPERIOR FUNCTIONS & FEATURES

- ⊕ Crane-to-wall
- ⊕ Crane-to-crane
- ⊕ Skew Detection
- ⊕ Long range (to 500 m)
- ⊕ Set zones along runway



Crane Sentry Jr

PERFORMANCE AT A COMPETITIVE PRICE

- ⊕ Crane-to-wall
- ⊕ Crane-to-crane
- ⊕ Reflector Optional



Crane Sentry Lite

ENTRY LEVEL WITH REFINED FEATURES

- ⊕ Crane-to-wall
- ⊕ Crane-to-crane
- ⊕ Trolley end stop
- ⊕ No Reflector Needed
- ⊕ Menu Based Setup



Crane Sentry Zone Manager

UNIQUE & POWERFUL CAPABILITIES

- ⊕ 2-axis restricted no-fly zones
- ⊕ Define up to 8 rectangular zones
- ⊕ Protect defined areas
- ⊕ Long range (to 500 m)
- ⊕ Interface with mfg cells



What Crane Sentry® is Right for You?

The Crane Sentry family of products are modular and intuitive laser distance sensor-based overhead crane position and collision detection monitor systems.

All Crane Sentry models are available with a variety of options to ensure compatibility with most industrial working environments.

SOLUTION

What makes Crane Sentry® better?

PERFORMANCE

- ⊕ Up to <1 in accuracy
- ⊕ Indoor/outdoor use
- ⊕ Up to 1640 ft (500 m) range
- ⊕ Operates with/without reflectors

CONFIGURATION

- ⊕ Plug & play set up
- ⊕ Simple User Screen
- ⊕ Teach or enter set points
- ⊕ Configurable relay outputs

FEATURES

- ⊕ Supports 2 lasers
- ⊕ Class II visible laser
- ⊕ Modular, versatile system
- ⊕ Crane-to-wall/-crane modes

INSTALL/MAINTENANCE

- ⊕ IP 65 protection
- ⊕ Low maintenance
- ⊕ Quick aim & set installation
- ⊕ Error code troubleshooting

	LITE	CRANE SENTRY JR.	CRANE SENTRY	ZONE MANAGER
Range natural surface up to 50m (no reflector)	98 ft (30m)	164 ft (50m)	213 ft (65m)	213 ft (65m)
Range with reflective target	×	×	1640 ft (500m)	1640 ft (500m)
Relay outputs	2/4	6	6	8
Advanced restricted zone management	×	×	×	✓
Measuring rate up to 20 to 50 Hz	×	×	✓	✓
Integrated heater option	×	×	✓	✓
Supports up to 2 lasers	✓	✓	✓	✓
Quick aim & set installation	✓	✓	✓	✓
User interface	Menu Based	Touch Screen	Touch Screen	Touch Screen
Value to feature ratio	✓✓	✓✓	✓	✓

FEATURES & BENEFITS

All systems share common core features and benefits.

Core Features

- ⊕ Complete modular system supports up to 2 lasers
- ⊕ Simple display based controls
- ⊕ Rugged industrial package
- ⊕ IP 65/66 polycarbonate enclosure for controls
- ⊕ Non-contact class II laser sensor

Core Benefits

- ⊕ Quick aim & set installation, versatile application
- ⊕ Intuitive operation, simple troubleshooting
- ⊕ Low maintenance
- ⊕ Indoor/outdoor operation
- ⊕ Accurate, long range, eye safe, competitive cost