

## What Does Crane Sentry Lite Do?

Simple & effective collision detection for overhead cranes

Crane Sentry Lite provides a smart alternative to traditional proximity type sensors

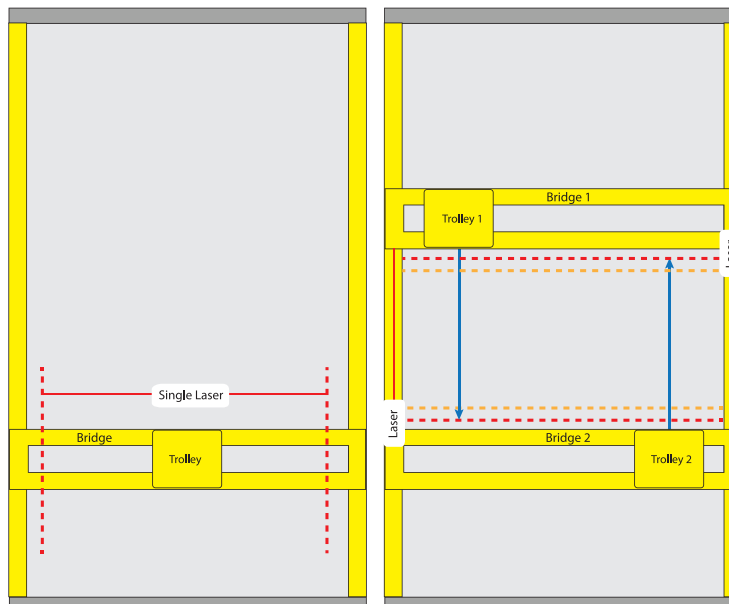
- ⊕ Crane to Crane
- ⊕ End stop limits
- ⊕ NO REFLECTOR required
- ⊕ Displays actual distance values



### DISTANCE MINIMUM/ MAXIMUM

One laser can be used to detect both trolley end stops. One end is set as a minimum distance alarm and the other is set as a maximum distance alarm.

A single laser system can measure both ends of a runway with one alarm as min and the other as max, as long as the range does not exceed 98 ft.



### CRANE TO CRANE

When crane approaches a set point limit, the slow speed and stop alarms are triggered. When bridge moves out of laser sensor range, crane is permitted to operate as normal.

## SOLUTION

# What makes Crane Sentry® better?

### PERFORMANCE

- ⌚ Up to <3.5" in accuracy
- ⌚ Indoor/outdoor use
- ⌚ Up to 98 ft (30m) range
- ⌚ Operates with/without reflectors

### CONFIGURATION

- ⌚ Plug & play set up
- ⌚ Simple User Screen
- ⌚ Teach or enter set points
- ⌚ Relay outputs

### FEATURES

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

### INSTALL/MAINTENANCE

- ⌚ IP 65 protection
- ⌚ Low maintenance
- ⌚ Quick aim & set installation
- ⌚ Error handling protocol



### CONTROL SPECIFICATIONS

<b>Power Requirement</b>	0.5 A @ 110 VAC
<b>Number of Outputs</b>	2 (single laser) / 4 (dual laser)
<b>Relay Output Type</b>	SPST NO/NC; rated for 100k operations at max load
<b>Rated Current</b>	8A max per output
<b>Rated Voltage</b>	250 VAC
<b>Graphic Display Type</b>	STN LCD, Backlight Illumination, 2 line display
<b>Operating Temp (Control Box)</b>	0°C to 50°C
<b>Storage Temp</b>	-20°C to 60°C
<b>Memory Backup</b>	7 years typical at 25°C
<b>Ingress Protection</b>	IP65
<b>Enclosure Material</b>	Polycarbonate

### SENSOR SPECIFICATIONS

<b>Max Measuring Range</b>	98ft (30m)
<b>Laser</b>	Cl 2 red eye safe
<b>Operating Temp</b>	0°C to 50°C
<b>Ingress Protection</b>	IP65

## Highlights

- ⌚ Complete system can be provided with 2 lasers
- ⌚ Quick aim & set installation, versatile application
- ⌚ Intuitive operation, simple troubleshooting
- ⌚ Rugged industrial package, low maintenance
- ⌚ Indoor/outdoor operation
- ⌚ Non-contact, eye-safe laser measurement
- ⌚ Entry level device with advanced features not seen in its class at a competitive cost
- ⌚ Designed and produced in USA

