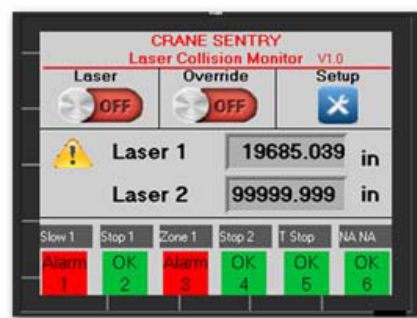


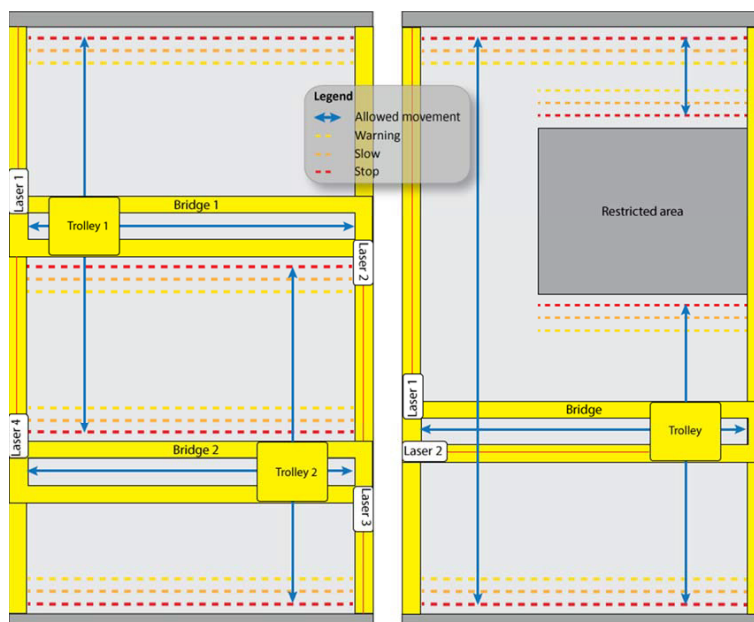
What Does Crane Sentry Do?

- ⊕ Crane to Crane/crane to wall
- ⊕ Single axis restricted/No-Fly zone or warning regions
- ⊕ Skew Alarm
- ⊕ Configurable Relay outputs
- ⊕ Connects up to 2 lasers



TWO LASER END LIMIT & COLLISION DETECTION

One laser aims at a fixed target, the other laser aims at the second crane. Similar to the first example, when crane approaches end limits, the slow speed and end stop alarms are triggered.



RESTRICTED ZONE-MOTION CONTROL

One laser aims at a fixed target to make a single axis No-Fly zone, effectively preventing the crane from entering that area. Alarms control Bridge Forward, Bridge Reverse.

SOLUTION

What makes Crane Sentry® better?

PERFORMANCE

- ⊕ Up to 1/8" (3 mm) accuracy
- ⊕ Indoor/outdoor use
- ⊕ Up to 1640 ft (500 m) range
- ⊕ Operates with/without reflectors up to 328 ft (100 m)

CONFIGURATION

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

FEATURES

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

INSTALL/MAINTENANCE

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

GENERAL	
Power Requirement	110 VAC, 2.5 A
Controller Enclosure	Polycarbonate
Display	TFT LCD display
Laser Sensors:	
Power Rating	Cl 2 Eye safe laser
Range	100 meters natural target; 500 meters to reflective plate
Accuracy	3 mm std (1 mm upon request)
Speed	Up to 250 Hz.
Target Speed	300 ft/min - consult factory for faster cranes
Environmental Rating	IP65
Operating Temp Range	-40°C to +60°C upon request
Target Material	2 ft sq reflective plate when required
Spot Size	approx 30mm @100 meters
Configuration	6 programmable outputs, user configurable as restricted zones
Outputs	(8) NO/NC 8A relay contacts (6) User Configurable (2) Status outputs
Inputs	(1) 110 VAC master override option (6) individual alarm overrides (24 VDC)

Highlights

- ⊕ Complete modular system includes up to 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
- ⊕ High accuracy, long range, competitive cost

