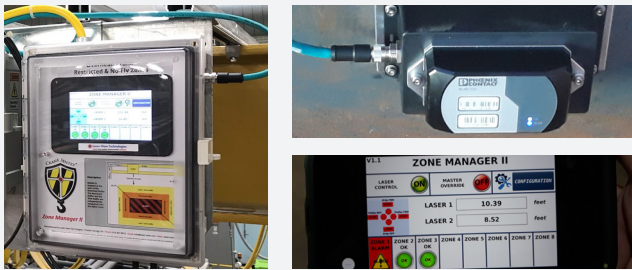


Why Crane Sentry Zone Manager II?

- ➔ Restricted zoning/no fly zones
- ➔ Dedicated relay outputs for bridge and trolley motion; slow and stop
- ➔ I/O communications with machinery and processes below in the crane bay
- ➔ Allow for up to 8 restricted zones
- ➔ Considered a “field mod” for crane dealers, as it is easily retrofitted to existing cranes



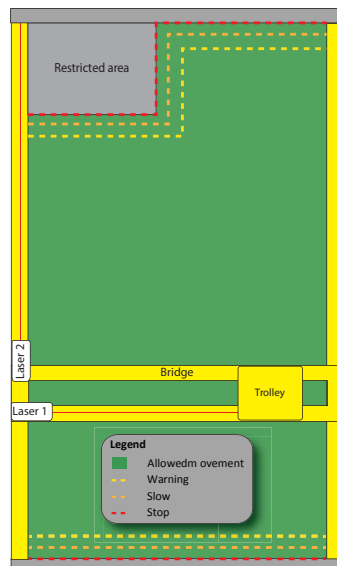
Technological Innovations with Zone Manager II



- ➔ Remote access capability from a smartphone or tablet (optional) in addition to the physical controller built-in on board
- ➔ Supports up to 3 laser sensors for application with a second independent trolley hoist
- ➔ Automatic slow and stop zones, with independent parameters for each zone
- ➔ Simple and intuitive color touch screen controls show set point and live readings
- ➔ Control system is designed with future expansion in mind to interface with customer specific controls

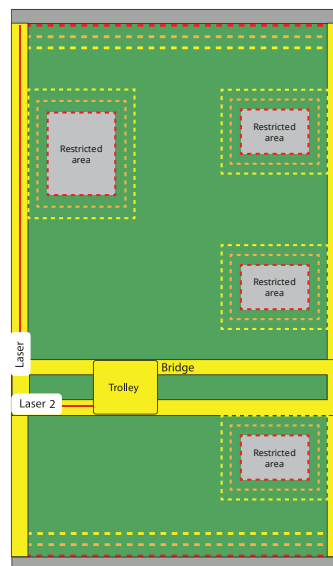
CRANE SENTRY SINGLE ZONE MONITORING

Simple and flexible way of creating a single restricted zone without the need for mechanical switches and excess wiring. One laser monitors bridge position, the other laser monitors trolley position. 8 relay outputs interface with bridge and trolley direction.



ZONE MANAGER ADVANCED MULTIPLE ZONE MONITORING

Zone Manager creates a coordinate-based virtual box around multiple restricted regions and can be configured to monitor several user selectable conditions. One laser monitors bridge position, the other laser monitors trolley position. 8 relay outputs interface with bridge and trolley direction. Optional expansion outputs interface with machinery below in the crane bay.



FACTS AT A GLANCE

Crane Sentry Zone Manager II

GENERAL	
Power Requirement	110 VAC, 1.5 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	Up to 10 m/sec
Environmental Rating	IP65
Operating Temp Range	-10°C to +60°C upon request; higher temp ratings via optional enclosures
Target Material	2 ft sq reflective plate when required
Spot Size	approx 30mm @100 meters
Configuration	1-8 zones, user configurable as restricted zones 4 zones configurable as expansion output
Outputs	(8) NO/NC 8A relay contacts BR fwd, rev, fwd spd, rev spd; TR fwd, rev, fwd spd, rev spd
Inputs	(1) 110 VAC master override option (8) individual zone overrides (24 VDC)
Optional Remote Interface	via optional Wi-Fi access point

Crane Sentry products are not safety rated devices. Users should follow industry approved practices when installing this device to insure safe operation and usage in the installed application.

