



Laser-View Technologies

Smart non-contact measurement solutions for industry



Location Manager Rockwell Edition

Performance

- ▶ Indoor/outdoor use
- ▶ Up to 0.04 in (± 1 mm) accuracy
- ▶ Up to 1640 ft (500 m) range
- ▶ No reflector up to 213 ft (65m)
- ▶ IP 65 environmental rating



Features

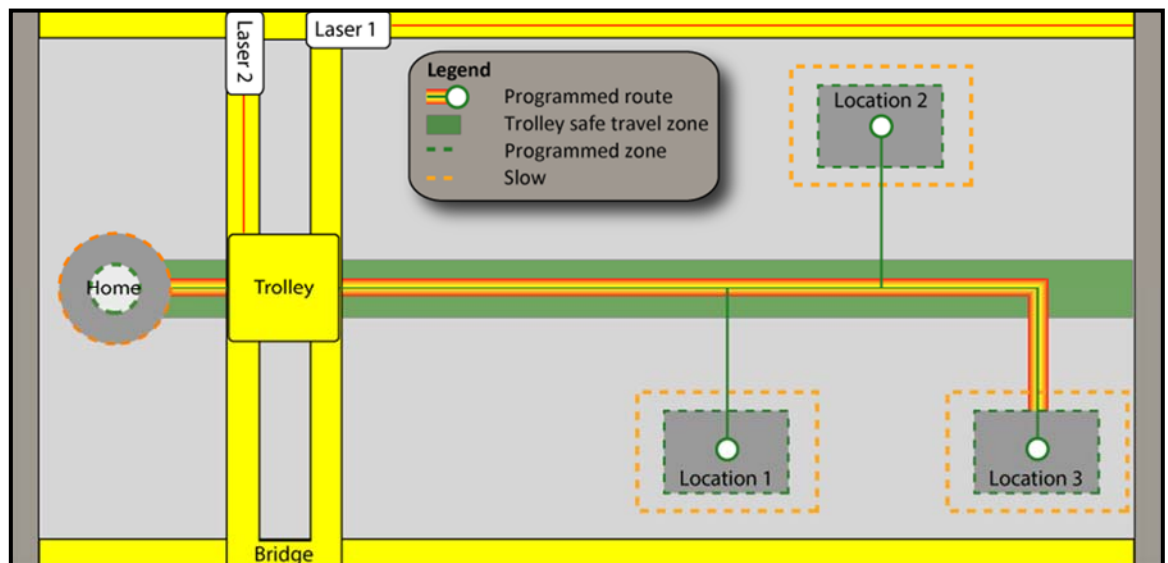
- ▶ Connects 2 Dimetix lasers
- ▶ Class II visible eye-safe laser
- ▶ Expandable up to 120 locations
- ▶ Built on an Allen Bradley Control Logix platform



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Location Manager automated positioning system enables programmed travel between "Home" and up to 120 preset locations



Location Manager example shows programmed travel between Home and 3 preset locations on an overhead crane.



CRANE SENTRY LOCATION MANAGER LASER POSITION MONITORING

Laser Model	FLS-C 30	FLS-CH 30
Measuring range		
Reflective foil	~0.5 ... 500 m	~0.5 ... 500 m
Natural surface	0.05 ... ~65 m	0.05 ... ~65 m
Accuracy @ 2 σ (10 Hz)	\pm 3 mm	\pm 3 mm
Repeatability typ.	\pm 0.5 mm	\pm 0.5 mm
Max. measure rate	20 Hz	20 Hz
Operating temp.	-10 ... +50 degrees C	-40 ... +50 degrees C
Protection rating	IP65	IP65
Diameter, laser dot		
at 10 m	8 mm	8 mm
at 50 m	25 mm	25 mm
at 100 m	40 mm	40 mm
Dimensions [mm]	150 x 80 x 50	150 x 80 x 50
Weight	0.69 kg	0.72 kg

Location Manager General System Specifications

Power Requirement	1 A @ 110 VAC (5A 24 VDC internal power supply)
Serial Inputs	Two RS232 inputs for Dimetix lasers (19200,7,E,1)

Digital Inputs

Inputs	15 PNP control inputs (see User Manual for details)
Input Voltage	17-28.8 VDC; 24 VDC nominal
Input Current	8 mA @24 VDC

Relay Outputs

Type	8 relays (24 VDC) on board
	<ul style="list-style-type: none"> • System enable • Axis 1 forward • Axis 2 forward • Axis 1 slow • In motion • Axis 1 reverse • Axis 2 reverse • Axis 2 slow
Rated Current	8 A
Rated Voltage	250 VAC

Graphic Display

Type	TFT, color active matrix (3.5"; 320x240 pixels)
Touchscreen	Resistive, analog

Environmental

Operating Temp (Control Box)	0 to 50 degrees C; options for heated and cooled enclosure
Storage Temp	-20 to 60 degrees C
Expected Battery Lifetime	5 years typical at 25 degrees C
Ingress Protection	IP65/66/NEMA4x
Enclosure Material	Polycarbonate



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