SafeZone™ Singlezone Safety Laser Scanner

New SafeZone Singlezone Safety Laser Scanner Helps Protect Personnel While Offering Enhanced Flexibility

The SafeZone™ family of safety laser scanners from Rockwell Automation® are designed for use on or around hazardous machinery providing point of operation, perimeter or area access detection. The new Allen-Bradley® Guardmaster® SafeZone Singlezone is an economical Type 3 safety laser scanner with a single set of configurable presence sensing fields consisting of a safety field and warning field.

Suited for stationary and mobile applications, the SafeZone Singlezone can be programmed quickly and easily with the supplied SCD software. Developed with configurable resolutions of 30 mm, 40 mm, 50 mm, 70 mm and 150 mm, this versatile scanner can be mounted horizontally or vertically. And for added security, it has a safety field range of 4 meters with a warning field up to 49 meters varying in range by the reflectivity of the object being detected.

SafeZone reliability and functionality, for stationary or mobile applications

The SafeZone Singlezone safety scanner is a flexible, cost-effective and rugged solution that is suited for a wide range of industrial safety applications. Common uses for this safety scanner include personnel detection in front of a machine or equipment hazards particularly when a safety mat solution would require a non-standard or irregularly shaped configuration. Plus, it can be easily configured to accommodate fixed objects in the sensing field.

SafeZone Singlezone

The SafeZone Singlezone also helps reduce downtime by simplifying maintenance and troubleshooting. The dual-function Application Diagnostic Output (ADO) can be used for OSSD status and/or a weak signal output, which indicates a dirty front window. The front window of the scanner is also field replaceable should it become damaged or scratched. For further ease of troubleshooting, the SafeZone SingleZone features a 7-segment digital display along with several LEDs for quick and easy diagnosis of the device's operational status or fault condition.

The SafeZone Singlezone scanner meets IEC61496 and UL61496 and is CE marked by TÜV.

Features

- Configurable resolutions (30 mm, 40 mm, 50 mm, 70 mm, 150 mm)
- Configurable response times of 60 ms or 120 ms
- Multiple samplings can be set up for difficult environments
- Mounting hardware available
- Replaceable front window
- Prewired memory module stores program so that scanner can be easily replaced
- Integrated EDM and Restart Interlock are easily configured
- A Type 3 SIL CL 2 safety laser scanner
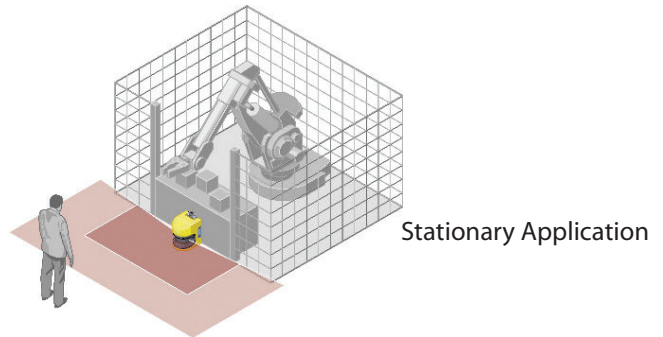- A global safeguarding solution that meets IEC61496 and UL61496 and is CE marked by TÜV

Allen-Bradley • Rockwell Software

Rockwell Automation

Ordering Information

Images	Catalog Number	Description
	442L-SFZNSZ	• SafeZone Singlezone safety laser scanner • 4 meter safety field range, single field set
	442L-CSFZNMZ-X	• Prewired memory module with 10 or 20 meter cable • X is -10 or -20
	442L-ACRS232 442L-ACRS232-8	• RS232 Programming cable 2 meters • RS232 Programming cable 10 meters
	442L-AMBSFZNMZ1	• SafeZone Mounting Bracket 1 for mounting the back of the scanner to a solid surface without adjustment
	442L-AMBSFZNMZ2	• SafeZone Mounting Bracket 2, for +/- 4 degrees of adjustability, requires bracket 1
	442L-AMBSFZNMZ3	• SafeZone Mounting Bracket 3, used for floor mounting, requires brackets 1 and 2

A complete SafeZone Singlezone system consists of the Singlezone scan head with I/O module, (442L-SFZNSZ) and a prewired memory module with either a 10 meter or 20 meter cable. Also required is an RS232 programming cable.

Mounting brackets are available, however the brackets are inter related so that bracket 1 is required if bracket 2 is to be used and brackets 1 and 2 are required if bracket 3 is to be used.

The SafeZone Singlezone is a flexible presence sensing safety laser scanner that is easily programmed using the Safety and Diagnostic software.

Mobile Application

Stationary Application

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