

SafeZone 3 CIP Safety Laser Scanner

CIP Safety over EtherNet/IP Enables Integration of the SafeZone 3 safety laser scanner in a Safety Control System*



Allen-Bradley

by ROCKWELL AUTOMATION



Features and Benefits

- EtherNet/IP connectivity can help improve installation time
- Easy integration using an add-on profile in Studio 5000 Logix Designer
- Supports Device Level Ring (DLR) network topology to help increase network resiliency
- High definition distance measurement scanning technology helps prevent dust, smoke and optical interferences
- Quick device replacement of the configuration memory and IP address which is stored in the scanner's system plug
- Bright, multi-colored display and user-friendly push buttons offer device settings and diagnostic information
- Wide 275° scanning angle
- MultiZone safety field is 5.5 m, 8 configurable fields
- Simultaneously monitors up to 4 fields (safety and warning)
- Configurable resolutions of:
 - 30 mm (1.18 in.)
 - 40 mm (1.57 in.)
 - 50 mm (1.96 in.)
 - 70 mm (2.75 in.)
 - 150 mm (5.90 in.)
 - 200 mm (7.87 in.)
- Replaceable optic cover, cover plate and a variety of mounting brackets are available
- Safety rated: Type 3 per IEC 61496, PLd per ISO13849-1, SIL 2 per IEC 61508



Rockwell Automation introduces the new Allen-Bradley® Guardmaster® SafeZone™ 3 with CIP Safety™. Using Common Industrial Protocol (CIP) Safety over Ethernet/IP™, the SafeZone 3 safety laser scanner adds the advantage of integration with a GuardLogix® control system using Studio 5000 Logix Designer®. It also supports Device Level Ring (DLR) network topology which helps increase network resiliency.

Designed for use on or around dangerous areas, accesses, and hazardous points, the SafeZone 3 is the next generation safety laser scanner platform that features high definition distance measurement scanning technology. This scanning technology improves the accuracy of the scan data and increases the scanner's immunity to dust, smoke and optical interferences. In addition, the configuration memory in the system plug of the SafeZone 3 helps prevent downtime when a quick replacement of the device is needed. Other features include a bright, multi-colored display with user-friendly push buttons for display of device settings and status.

The SafeZone 3 scanner offers a wide 275° scanning angle and configurable resolution range of 30 mm (1.18 in.) to 200 mm (7.87 in.).

The SafeZone 3 meets applicable safety standards as a Type 3 device per IEC 61496, PLd per ISO 13849-1, SIL 2 per IEC 61508.

**Only for use with a safety controller (such as a Compact GuardLogix® 5380 controller) or safety-enabled control system*



**Rockwell
Automation**

Product Selection

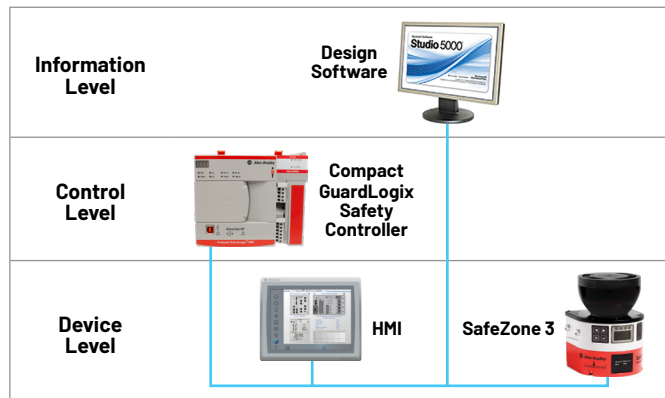
Description	Catalog Number	
SafeZone 3 Multizone CIP Safety Laser Scanner 5.5 Meter, 8 Fields	442L-SZNMZCP	
Required System Plug		
SafeZone 3 CIP Safety Laser Scanner System Plug	442L-SZNCPMOD	

Note: A complete SafeZone 3 system consists of the Multizone scanner with a SafeZone 3 System Plug.

Accessories and Replacement Parts

Description	Catalog Number	
SafeZone 3 CIP Laser Scanner Mounting Bracket 1	442L-AMBSZCP1	
SafeZone 3 CIP Laser Scanner Mounting Bracket 2	442L-AMBSZCP2	
SafeZone 3 CIP Laser Scanner Mounting Bracket 3	442L-AMBSZCP3	
SafeZone 3 CIP Laser Scanner Mounting Bracket 4	442L-AMBSZCP4	
SafeZone 3 CIP Laser Scanner Replacement Optics Cover	442L-ASZNCPW	
SafeZone 3 CIP Laser Scanner Replacement Cover Plate	442L-ACVR	

The SafeZone 3 CIP safety system



Connect with us.    

rockwellautomation.com — expanding human possibility®

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
 EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
 ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Allen-Bradley, expanding human possibility, GuardLogix, Guardmaster, Rockwell Automation, SafeZone and Studio 5000 Logix Designer are trademarks of Rockwell Automation, Inc. EtherNet/IP and CIP Safety are trademarks of ODVA. Trademarks not belonging to Rockwell Automation are property of their respective companies.

Publication 442L-PP004B-EN-P - May 2021 | Supersedes 442L-PP004A-EN-P - February 2021

Copyright © 2021 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.