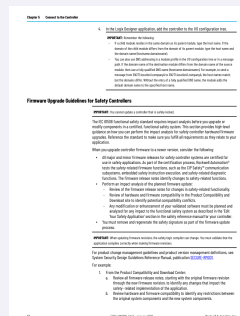


## FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

5069-L340ERMS2

Compact GuardLogix Controller



|          |                                       |
|----------|---------------------------------------|
| PRODUCT  | 5069-L340ERMS2                        |
| FAMILY   | Allen-Bradley Compact GuardLogix 5380 |
| FUNCTION | Compact GuardLogix Controller         |
| STATUS   | Verify exact installed equipment      |

Prepared by Amikon Limited from Allen-Bradley documentation. This guide supplements the complete manufacturer manual and site procedure.

## 01

## CONFIRM THE ORDERED CONFIGURATION

|                |                                       |
|----------------|---------------------------------------|
| Manufacturer   | Allen-Bradley                         |
| Model          | 5069-L340ERMS2                        |
| Product Type   | Compact GuardLogix Controller         |
| Product Family | Allen-Bradley Compact GuardLogix 5380 |

## 02

## PREPARATION AND CONNECTION

- Confirm the complete 5069-L340ERMS2 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

## OFFICIAL INSTALLATION REFERENCE

### Chapter 5 Connect to the Controller

4. In the Logix Designer application, add the controller to the I/O configuration tree.

**IMPORTANT:** Remember the following:

- If a child module resides in the same domain as its parent module, type the host name. If the domain of the child module differs from the domain of its parent module, type the host name and the domain name (hostname.domainname).
- You can also use DNS addressing in a module profile in the I/O configuration tree or in a message path. If the domain name of the destination module differs from the domain name of the source module, then use a fully qualified DNS name (hostname.domainname). For example, to send a message from EN2T1.location1.companyA to EN2T1.location2.companyA, the host names match, but the domains differ. Without the entry of a fully qualified DNS name, the module adds the default domain name to the specified host name.

### Firmware Upgrade Guidelines for Safety Controllers

**IMPORTANT:** You cannot update a controller that is safety-locked.

The IEC 61508 functional safety standard requires impact analysis before you upgrade or modify components in a certified, functional safety system. This section provides high-level guidance on how you can perform the impact analysis for safety controller hardware/firmware upgrades. Reference the standard to make sure you fulfill all requirements as they relate to your application.

When you upgrade controller firmware to a newer version, consider the following:

- All major and minor firmware releases for safety controller systems are certified for use in safety applications. As part of the certification process, Rockwell Automation® tests the safety-related firmware functions, such as the CIP Safety™ communication subsystems, embedded safety instruction execution, and safety-related diagnostic functions. The firmware release notes identify changes to safety-related functions.
- Perform an impact analysis of the planned firmware update:
  - Review of the firmware release notes for changes in safety-related functionality.
  - Review of hardware and firmware compatibility in the Product Compatibility and Download site to identify potential compatibility conflicts.
  - Any modification or enhancement of your validated software must be planned and analyzed for any impact to the functional safety system as described in the 'Edit Your Safety Application' section in the safety reference manual for your controller.
- You must remove and regenerate the safety signature as part of the firmware update process.

**IMPORTANT:** When updating firmware revisions, the safety logic compiler can change. You must validate that the application compiles correctly when making firmware revisions.

For product change management guidelines and product version management definitions, see System Security Design Guidelines Reference Manual, publication [SECURE-RM001](#).

For example:

1. From the Product Compatibility and Download Center;
  - a. Review all firmware release notes, starting with the original firmware revision through the new firmware revision, to identify any changes that impact the safety-related implementation of the application.
  - b. Review hardware and firmware compatibility to identify any restrictions between the original system components and the new system components.

04

## COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05

## CONTROLLED DOCUMENT

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Official source | CompactLogix 5380 and Compact GuardLogix 5380 Controllers User Manual |
| Product record  | 5069-L340ERMS2                                                        |
| Manufacturer    | Allen-Bradley                                                         |
| Warranty        | 12 months from AMIKON                                                 |
| Support         | INFO@AMIKON.CN                                                        |

AMIKON PRODUCT SUPPORT

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