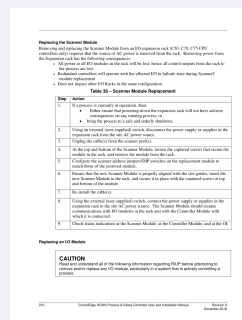


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

900C53-0244-00

remote-rack I/O scanner module



PRODUCT	900C53-0244-00
FAMILY	ControlEdge HC900 scanner modules
FUNCTION	remote-rack I/O scanner module
STATUS	Verify exact installed equipment

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

01

CONFIRM THE ORDERED CONFIGURATION

Module Type	Remote-rack I/O scanner
Controller Platform	ControlEdge HC900
Rack Type	Remote I/O rack
System Role	Remote rack communications
Safety Version	Non-SIL
Compatibility Class	Legacy scanner

02

PREPARATION AND CONNECTION

- Confirm the complete 900C53-0244-00 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.

Replacing the Scanner Module

Removing and replacing the Scanner Module from an I/O expansion rack (C50, C70, C75 CPU controllers only) requires that the source of AC power is removed from the rack. Removing power from the Expansion rack has the following consequences:

- All power to all I/O modules in the rack will be lost; hence all control outputs from the rack to the process are lost.
- Redundant controllers will operate with the affected I/O in failsafe state during Scanner2 module replacement
- Does not impact other I/O Racks in the same configuration

Table 38 – Scanner Module Replacement

Step	Action
1.	If a process is currently in operation, then: • Either ensure that powering-down the expansion rack will not have adverse consequences on any running process, or • bring the process to a safe and orderly shutdown.
2.	Using an external (user-supplied) switch, disconnect the power supply or supplies in the expansion rack from the site AC power source.
3.	Unplug the cable(s) from the scanner port(s).
4.	At the top and bottom of the Scanner Module, loosen the captured screws that secure the module in the rack, and remove the module from the rack.
5.	Configure the scanner address jumpers/DIP switches on the replacement module to match those of the removed module.
6.	Ensure that the new Scanner Module is properly aligned with the slot guides, insert the new Scanner Module in the rack, and secure it in place with the captured screws at top and bottom of the module.
7.	Re-install the cable(s).
8.	Using the external (user-supplied) switch, connect the power supply or supplies in the expansion rack to the site AC power source. The Scanner Module should resume communications with I/O modules in the rack and with the Controller Module with which it is connected.
9.	Check status indications at the Scanner Module, at the Controller Module, and at the OI.

Replacing an I/O Module

CAUTION

Read and understand all of the following information regarding RIUP before attempting to remove and/or replace any I/O module, particularly in a system that is actively controlling a process.

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	Honeywell ControlEdge HC900 User and Installation Manual
Product record	900C53-0244-00
Manufacturer	Honeywell
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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