ABB GJR5250500R0262-07KT92

01 Preserve the control application

01

Field signals

Retain the original configuration before disturbing hardware.

Preserve the control application — field actions

Save the approved program and communication settings with local and remote I/O mappings. Identify the R0262 ARCNET execution and record the current operating mode. Place controlled machinery in a safe maintenance state before removing power or disconnecting outputs.

Configuration identified

The recoverable application and exact hardware/network roles are established.

Why is R0202 not automatically equivalent to this installation

R0262 includes ARCNET. A replacement lacking the required network interface cannot reproduce the installed communication role merely because the base CPU name matches.

Configuration record	Hardware identities and original settings retained
Following activity	Inspect power and load circuits

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02 Inspect power and load circuits

02

Local and CS31 I/O

Protect the physical and electrical installation boundary.

Inspect power and load circuits — field actions

Check the 24 V DC supply assignment and the transistor-output load arrangement against the approved circuit. Inspect terminal condition, protection and common wiring. Do not transfer relay-contact assumptions to the 0.5 A transistor outputs.

Mounting / circuit accepted

Supply and field circuits match the central-unit electrical execution.

What must be restored before outputs from this installation are released to the process

Restore the approved program, I/O mapping and communication configuration, then validate permissives and outputs in a controlled test state.

Installation record	Inspected interfaces and resolved defects retained
Following activity	Restore CS31 and ARCNET links

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03 Restore CS31 and ARCNET links

03

Application program

Resolve connection and configuration differences before energization.

Restore CS31 and ARCNET links — field actions

Reconcile bus participants, addressing and the retained network settings. Restore serial-port role and peer configuration without changing unrelated nodes. Verify communications separately from local I/O so an addressing error is not mistaken for a failed signal channel.

Connections reconciled

Local and remote communication paths exchange the intended application data.

Can a CS31 timing-table value be used as the total scan time of this installation

No. It describes a contribution under specified configuration; program execution, other bus participants and field devices also affect response.

Connection record	Final wiring and configuration assignments retained
Following activity	Test signal mapping and scaling

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04

Outputs and networks

Evaluate actual response under controlled conditions.

Test signal mapping and scaling — field actions

Exercise representative digital and analog inputs under controlled conditions. Compare engineering values with known signals and verify output destinations before enabling loads. Keep process interlocks active and resolve channel or scaling discrepancies before continuing.

Functional response accepted

Application values and physical I/O correspond to the approved mapping.

How can correct local I/O coexist with missing remote data on this installation

Local terminals and CS31 exchanges are separate paths. Inspect bus addressing, connections and configuration without assuming a CPU-wide fault.

Response record	Test conditions, observed response and deviations retained
Following activity	Validate the control sequence

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05 Validate the control sequence

05

Response-time assessment

Return control only after reviewing the complete test outcome.

Validate the control sequence — field actions

Run the authorized sequence tests, including relevant timing, interlocks and communication-loss behavior. Retain accepted program and configuration files with results. Return output authority to the process only after the complete control function has been reviewed.

Return-to-service evidence

The restored controller performs the intended process logic with recoverable configuration.

Separate related-equipment review

ABB 07KR91 GJR5250000R0252

ABB 07DI92

ABB GJR2390200R1210 83SR04D-E

Assess each related item independently; these references do not establish replacement compatibility.