B&R X20AO2622

01 Define the service boundary

1 Record actual hardware revision

Capture the X20AO2622 revision and software upgrade. Check the 4-20 mA availability and current-load limit against that revision before removal.

2 Retain output mode and scale

Record whether each point uses+/-10 V, 0-20 mA or supported 4-20 mA. Preserve the receiving actuator scale and selected function model.

Output channels	2
Voltage span	+/-10 V
Current span	0-20 mA; 4-20 mA conditional

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02 Prepare the installation

1 Secure the controlled actuators

Place connected actuators in the approved maintenance state. Prevent a disconnected or startup output from causing unintended motion.

2 Check load and terminal choice

Verify the receiver load and whether voltage or current terminals are used. Match current-load limits to pre-J0 or J0-and-later hardware.

Voltage resolution	12 bits plus sign
Current resolution	12 bits
Conversion time	200 microseconds; all outputs

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03 Restore connections and settings

1 Restore both configuration layers

Reconnect the correct terminals and restore channel type in software. Do not rely on a software mode change to correct a wrong terminal connection.

2 Review timing requirements

Retain the selected low-jitter or fast-reaction model. Account for 200 microsecond conversion and 1 ms full-range settling in the application test.

Full-range settling	1 ms
Voltage load	At least 1 kilohm
Current load	600 ohms from J0; 500 ohms before J0

04 Verify the operating response

1 Exercise the output span

Apply controlled commands at representative points and compare actual voltage/current at the receiver. Keep the actuator in its safe test condition.

2 Check channel interaction boundaries

Verify references and loads without assuming channel-to-channel isolation. Investigate shared-reference wiring if one circuit affects the other.

Functional test	Known input or controlled output
Error response	Status and application reaction agree

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05 Release and retain the evidence

1 Observe startup and diagnostics

Check module run/error and channel indications during controlled restart. Verify the intended output state before returning automatic control.

2 Record the installed envelope

Retain revision, mode, load, test values and timing results with the application. Confirm that both output circuits meet the receiving equipment requirements.

Technical basis: B&R X20AO2622 Data Sheet V3.16.

Related product navigation

B&R X20CP1483

B&R X20CP1686X

These are related references, not confirmed substitutes or an automatically approved assembly.