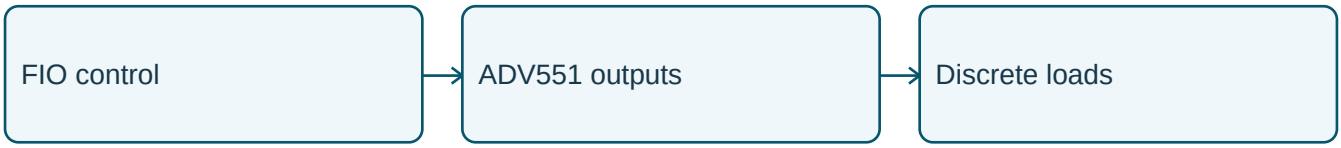
ADV551-P00 S2

01 / System identity and preparation

Yokogawa ADV551-P00 S2 transfers configured control commands from a FIO station to discrete field loads, with output behavior selected to suit the application.



Preparation priorities

Complete identity	Match ADV551-P00 S2, the style marking and installed terminal or cable assembly.
Load relationship	Verify sink-output polarity, 24 V DC field supply and the current required by each load.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

The technical data describes the ADV551 base design. Match the complete ADV551-P00 S2 marking, style and installed configuration; do not transfer later suffix approvals or ratings automatically.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Complete identity	Match ADV551-P00 S2, the style marking and installed terminal or cable assembly.
Load relationship	Verify sink-output polarity, 24 V DC field supply and the current required by each load.
Function pattern	Record status, pulse-width or time-proportioning assignment, pulse settings and redundancy arrangement.
Functional acceptance	Test the required ON/OFF and timed output behavior with a controlled load and verify the process response.

Check load polarity

Use wiring appropriate to current-sink outputs and verify field-supply polarity before energization.

Respect channel loading

The base-design limit is 100 mA per channel at 26.4 V. Include actual load demand and any inductive switching requirements.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Protect relay loads

Fit the required diode when driving a DC relay. Verify the field load and protection arrangement together.

Preserve output mode

Retain the approved channel pattern and timing. Do not assume every mixed pattern supports redundant operation.

Key hardware references

Base-design output channels	32
Output format	Current sink
Base applied voltage	24 V DC
Base external supply range	20.4 to 26.4 V DC

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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04 / Commissioning and diagnostic decisions

Review terminal and cable ratings

Match pressure-clamp, AKB331 or MIL cable connections to the installed system. Cable ratings affect the complete connection specification.

Validate controlled outputs

Test outputs under a safe process condition and check pulse or time-proportioning behavior before final release.

Acceptance checkpoints

Before energization	Verify sink-output polarity, 24 V DC field supply and the current required by each load.
Configuration review	Record status, pulse-width or time-proportioning assignment, pulse settings and redundancy arrangement.
Functional release	Test the required ON/OFF and timed output behavior with a controlled load and verify the process response.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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05 / Service record and technical references

Lifecycle and support

The current manufacturing and service-support phase for this complete offered reference has not been confirmed.

Technical basis

Yokogawa Digital I/O Modules (for FIO), GS 33J60F70-01EN, 7th edition.

Applicability

The technical data describes the ADV551 base design. Match the complete ADV551-P00 S2 marking, style and installed configuration; do not transfer later suffix approvals or ratings automatically.

Related portfolio references

Yokogawa SB401-10

Yokogawa ADV151-P00 S2 ATD5A-00

Yokogawa ADV151-P00 S2

Yokogawa AMM12T S2

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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Apply manufacturer instructions and approved site procedures.