Foxboro FCP270 P0917YZ

Installation and verification guide

Foxboro FCP270 P0917YZ is a field control processor for the I/A Series control processor. It executes control strategy processing and communicates with I/A Series fieldbus modules.

Complete reference	FCP270 P0917YZ
Product type	Field Control Processor
Platform	I/A Series control processor
Technical basis	Foxboro Field Control Processor 270 specification PSS 21H-1B9 B3

Product page
https://www.apterpower.com/Invensys/Foxboro/fcp270-p0917yz

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01 Installed-hardware capture

The complete FCP270 P0917YZ marking establishes the offered identity. Record all labels, connector positions and installed associations before removal because adjacent I/A Series control processor references may differ in wiring, option content or revision compatibility.

Buyer reference	Send the complete FCP270 P0917YZ marking, revision or option label, connector photographs and installed application details.
Offer comparison	Compare the offered FCP270 P0917YZ with the installed field control processor, termination hardware and approved Foxboro documentation before ordering.

02 Configuration and connector controls

Confirm the complete marking	Do not shorten FCP270 P0917YZ or transfer data from an adjacent reference.
Record every connection	Photograph connector orientation and label each cable or terminal before removal.
Preserve the configuration	Retain the approved I/A Series control processor database, jumpers, switches or channel assignment as applicable.
Apply controlled isolation	Follow the site energy-isolation and ESD procedure before disturbing hardware.
Verify companion hardware	Check the documented base, cable, terminal, power and partner-module relationship.
Prove the restored function	Complete visual, electrical and functional checks before return to automatic service.

03 Controlled functional verification

During replacement, preserve the approved configuration and connection map. Perform a controlled visual, electrical and functional check, record the as-left result, and release the equipment only after the responsible site authority accepts the restored field control processor.

01	Send the full FCP270 P0917YZ reference, label photographs and required quantity.
02	Apply site-approved isolation and ESD controls.
03	Record connectors, terminals and configuration before removal.
04	Compare the offered hardware with the complete installed reference.
05	Install without forcing connectors or changing approved routing.

06	Restore configuration and perform controlled checks.
07	Review revision, condition, included items and connection compatibility for FCP270 P0917YZ.
08	Confirm quantity, dispatch date and delivery details for FCP270 P0917YZ in the quotation.

04 Product-specific engineering questions

Which identity fields must match before installing FCP270 P0917YZ?	Match the complete model, group, revision, connector layout and any programmed or option-specific devices with the installed record.
How should connector positions on FCP270 P0917YZ be documented?	Photograph and label each connector before removal, then compare keyed positions and cable destinations against the approved drawing.
What configuration must be retained when replacing FCP270 P0917YZ?	Retain switch or jumper positions, firmware or programmable-device identity and the system database or drive setup that governs the board.
How can a system fault be separated from a FCP270 P0917YZ board fault?	Review diagnostics, power rails, connectors and companion hardware, then use an approved substitution or bench method without bypassing protection.
Why must the full revision of FCP270 P0917YZ be reviewed?	Revision letters can reflect hardware or firmware compatibility boundaries; confirm interchangeability for the installed system before release.
What cleaning restrictions apply to FCP270 P0917YZ?	Use an approved ESD-safe method, keep solvents away from labels and programmed devices, and do not disturb conformal coating or adjustments.
What controlled startup checks apply after fitting FCP270 P0917YZ?	Verify supply rails, status indications, communication and the board-specific control function in the approved sequence before automatic operation.
What service evidence should be retained for FCP270 P0917YZ?	Retain complete markings, revision, connector mapping, configuration records, diagnostic results and as-left functional acceptance.

05 Handover evidence

Identity	Complete marking, revision and photographs
Connection	Terminal or connector map and cable destinations
Configuration	Approved database, settings or option record
Functional proof	As-found and as-left readings or diagnostic results
Acceptance	Responsible technician and release approval

06 Related service references

Foxboro FBM2/36 P0500RG	Termination Cable Assembly
Foxboro FBM3A/33A P0500RU	Wire Termination Cable Assembly
Foxboro FBM4/39/44 P0500RY	Wire Termination Cable Assembly
Foxboro P0916NG	16-Channel Relay Output Termination Assembly
Foxboro P0916VB	Type 1 H/XLPE Termination Cable
Foxboro P0916VC	Type 1 H/XLPE Termination Cable
Foxboro P0916WE	Type 4 H/XLPE Termination Cable
Foxboro P0916WF	Type 4 H/XLPE Termination Cable
Foxboro P0916VL	Type 2 H/XLPE Termination Cable
Foxboro P0916VM	Type 2 H/XLPE Termination Cable