Foxboro FCP270 P0917YZ

Complete product information

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

WhatsApp / technical contact
sales13@apterpower.com | +86 18030235313

01 Product identity and technical profile

Processor part	P0917YZ
Controller designation	FCP270
Control network	I/A Series control network
Fieldbus support	Foxboro fieldbus modules
Redundancy	Supported in paired controller arrangement
Configuration requirement	Installed software and network database must match

Engineering purpose

Foxboro FCP270 P0917YZ must be selected as a complete installed reference. Its function depends on the documented platform connection, companion hardware and approved configuration rather than physical fit alone.

02 Product characteristics

Configuration identity	Preserves the documented board or controller execution.
Service diagnostics	Connectors, indicators and configuration references support controlled fault isolation.
Installed-system continuity	Restores the approved hardware role without redefining the control strategy.

03 Engineering overview

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.

Use the verified technical rows below to screen the offer, then compare the installed drawing and manufacturer instructions. Processor part: P0917YZ; Controller designation: FCP270; Control network: I/A Series control network. These values do not authorize transferring specifications from a neighboring model.

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.

Application map

Installed control-hardware service	Use FCP270 P0917YZ only in the compatible I/A Series control processor arrangement identified by the approved system documentation.
Revision-controlled replacement	Preserve the installed identity, connector orientation and configuration while restoring the documented function.
Controlled troubleshooting	Use recorded as-found values and approved tests to distinguish connection, companion-hardware and product faults.
Lifecycle support	Keep the complete FCP270 P0917YZ reference and acceptance evidence with the asset record for future service.

04 Installation and product precautions

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.

05 Lifecycle and available-unit details

FCP270 P0917YZ is a legacy or service-supported Foxboro I/A Series reference. Confirm exact part-number applicability and installed platform revision; availability does not change the documented compatibility boundary.

Retain the exact installed field control processor, connection map and configuration record. Evaluate a substitute only against the approved I/A Series control processor documentation.

Offered identity	Complete FCP270 P0917YZ marking, revision or option code, connector condition and installed configuration
Included items	the identified field control processor only; cables, terminals, bases and companion hardware only when itemized
Supply confirmation	Quantity and dispatch timing are confirmed in the quotation.

06 Technical notes

Evidence boundary	Technical rows apply to FCP270 P0917YZ or its explicitly identified manufacturer family context.
Compatibility	Physical fit does not establish electrical, firmware or system compatibility.
Commissioning	Use approved Foxboro instructions and site procedures for final installation and release.

07 Product-specific FAQ

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.

08 Recommended brand and model 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

Commissioning record

Installed asset	Machine, cabinet, channel or station reference
Companion identities	Base, terminal, cable, module or controller marking
Configuration baseline	Database revision, settings, jumpers or option record
Before-work evidence	Photographs, diagnostics and measured values
As-left result	Functional proof and accepted deviations
Release	Technician, reviewer and approval date

As-left verification worksheet

Exact delivered marking	FCP270 P0917YZ plus any visible revision or option label
Installed asset reference	Cabinet, rack, slot, station, loop or machine designation
Connector relationship	Connector identity, keying, cable destination and strain relief
Companion hardware	Base, terminal, cable, supply, partner module or controller identity
Configuration state	Approved database revision, switches, jumpers or programmed-device identity
Static checks	Continuity, supply, resistance or insulation test as applicable
Functional checks	Status, channel value, communication or controlled operating response
Deviation record	Documented difference, disposition and responsible approval