Foxboro P0973BP

Installation and verification guide

Foxboro P0973BP is a 156 w redundant power supply for the I/A Series switch power subsystem. It adds a 156 W redundant supply path to a compatible switch chassis arrangement.

Complete reference	P0973BP
Product type	156 W Redundant Power Supply
Platform	I/A Series switch power subsystem
Technical basis	Foxboro managed-switch power specification PSS 31H-7C3 B4

Product page
https://www.apterpower.com/Invensys/Foxboro/p0973bp

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

01 Installed-hardware capture

The complete P0973BP marking establishes the offered identity. Record all labels, connector positions and installed associations before removal because adjacent I/A Series switch power subsystem references may differ in wiring, option content or revision compatibility.

Buyer reference	Send the complete P0973BP marking, revision or option label, connector photographs and installed application details.
Offer comparison	Compare the offered P0973BP with the installed 156 w redundant power supply, termination hardware and approved Foxboro documentation before ordering.

02 Configuration and connector controls

Confirm the complete marking	Do not shorten P0973BP 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 switch power subsystem 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 156 w redundant power supply.

01	Send the full P0973BP 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 P0973BP.
08	Confirm quantity, dispatch date and delivery details for P0973BP in the quotation.

04 Product-specific engineering questions

Which input and output values must be confirmed for P0973BP?	Verify the nameplate input selection, frequency and documented DC output before connection; do not infer ratings from a similar supply.
How should the protective devices on P0973BP be handled?	Use only the documented fuse or protective-device type and rating, and investigate the cause before replacement or reset.
Why is load margin important when commissioning P0973BP?	The complete connected load, startup demand and redundancy arrangement must stay within the documented supply capability.
How should grounding be checked for P0973BP?	Confirm protective earth, signal-reference arrangement and enclosure bonding against the approved system drawing before energization.
What should be recorded before removing P0973BP?	Record terminal assignments, input selector position, connector orientation, status indications and measured input/output values.
Can P0973BP be energized without its normal load?	Only when the manufacturer procedure and site method permit it; use a controlled test arrangement and observe output stability.
How should redundant operation involving P0973BP be proven?	Test each supply path and transfer behavior under the approved maintenance condition without defeating required protection.
What as-left evidence is required for P0973BP?	Retain input/output measurements, load current, protective-device status, alarm state and the responsible approval reference.

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 FCP270 P0917YZ	Field Control Processor
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