Foxboro FBM207B

Installation and verification guide

Foxboro FBM207B is a 16-channel 24 v dc contact-sense input module for the I/A Series discrete input. It monitors sixteen 24 V DC contact-sense input channels in a redundant-ready fieldbus arrangement.

Complete reference	FBM207B
Product type	16-Channel 24 V DC Contact-Sense Input Module
Platform	I/A Series discrete input
Technical basis	Foxboro FBM207 specification PSS 41H-2S207

Product page
https://www.apterpower.com/Invensys/Foxboro/fbm207b

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01 Installed-hardware capture

The complete FBM207B marking establishes the offered identity. Record all labels, connector positions and installed associations before removal because adjacent I/A Series discrete input references may differ in wiring, option content or revision compatibility.

Buyer reference	Send the complete FBM207B marking, revision or option label, connector photographs and installed application details.
Offer comparison	Compare the offered FBM207B with the installed 16-channel 24 v dc contact-sense input module, termination hardware and approved Foxboro documentation before ordering.

02 Configuration and connector controls

Confirm the complete marking	Do not shorten FBM207B 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 discrete input 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 16-channel 24 v dc contact-sense input module.

01	Send the full FBM207B 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 FBM207B.
08	Confirm quantity, dispatch date and delivery details for FBM207B in the quotation.

04 Product-specific engineering questions

Which channel assignment must be preserved when replacing FBM207B?	Record every terminal, channel, signal type and control-database point before removal, then verify the restored mapping point by point.
How is the termination hardware for FBM207B selected?	Use the exact module specification and installed terminal assembly or cable type; connector fit alone is not proof of compatibility.
What live-value checks are useful for FBM207B?	Compare raw input or output indication, engineering value, channel status and an independent field reference under a controlled condition.
How should isolation claims for FBM207B be applied?	Apply only the isolation arrangement documented for this exact module and channel group; do not extend backplane isolation to field channels.
Which configuration records should accompany FBM207B?	Retain module address, channel configuration, scaling, alarm limits, communication parameters and the approved database revision.
How can a wiring fault be distinguished from a FBM207B hardware fault?	Use channel status, terminal measurements, a known reference and controlled point substitution while preserving process protection.
What redundancy checks apply to FBM207B?	Where supported, verify module roles, partner identity, communication health and an approved transfer test before returning to service.
What commissioning record should be retained for FBM207B?	Keep channel-by-channel as-found/as-left results, communication status, configuration checksum or revision and acceptance signatures.

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