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Schneider Electric / Invensys / Foxboro P0400YD FBM03 RTD Input Module

Physical Difference and Revision H-2 Assessment

Short answer: the physically different REV H-2 unit appears to be an earlier Foxboro-era hardware/mechanical revision of the same FBM03 RTD input module, rather than a different functional model. The newer -0U, -0V, and -0Y units appear to be later manufacturing or hardware variant suffixes for the P0400YD / FBM03 family.

Observed Items

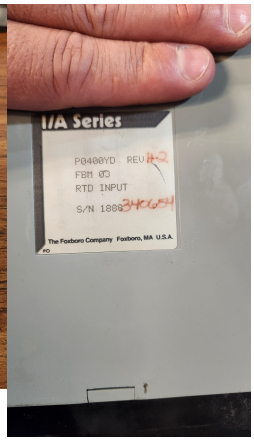
The units described are Schneider Electric / Invensys / Foxboro I/A Series modules labeled **P0400YD**, **FBM 03**, and **RTD Input**. The majority of the inventory appears to use the later black-cover and gray-end-cap housing. One unit is visibly older and physically different, with a label showing **REV H-2**.

Photo Evidence Provided



Image 1: later-style P0400YD assembly with mostly black covers and gray structural sections; label shows P0400YD / FBM 3 / RTD input and a suffix such as -0Y.





Images 2 and 3: older Foxboro-era H-2 unit with different cover construction, older Foxboro label format, visible REV H-2 marking, and different serial-number style.

Key Findings

• **Same functional family:** The label on the H-2 module still identifies the item as P0400YD, FBM 03, and RTD Input. The Schneider/Foxboro product specification identifies FBM03 as the RTD Input Interface Module under PSS 21H-2B5 B4.

• **Different physical package:** The H-2 unit shows older Foxboro-only branding and a different case/cover construction. This aligns with an earlier production generation rather than a separate field function.

• **Later suffixes:** The -0U, -0V, and -0Y suffixes on later units are best treated as manufacturing or hardware variant identifiers unless an OEM compatibility bulletin states otherwise.

• **Likely reason for difference:** Foxboro/Invensys/Schneider maintained the same module family while revising mechanics, shielding, connector assemblies, manufacturing processes, and labeling over time.

Revision / Variant Interpretation

Marking / Version	Likely Meaning	Inventory Interpretation
REV H-2	Older Foxboro-era hardware revision level.	Physically different early mechanical package, but still labeled P0400YD / FBM03 / RTD Input.
P0400YD-0U	Later suffix variant.	Likely functionally equivalent FBM03 RTD input module in later housing.
P0400YD-0V	Later suffix variant.	Likely functionally equivalent FBM03 RTD input module in later housing.
P0400YD-0Y	Later suffix variant.	Likely functionally equivalent FBM03 RTD input module in later housing.

Functional Specifications Reference

The published FBM03 product specification describes the module as an RTD Input Interface Module with eight isolated and independent channels, 0 to 320 ohm input range per channel, 0.75 mA dc sensor current, redundant Fieldbus communication, and support for 2-, 3-, and 4-wire variable-resistance temperature sensors. It also identifies the FBM03 as executing the Analog Input application program.

Specification	FBM03 / P0400YD Information
Module type	Platinum and Nickel RTD Input Interface Module (FBM03)
Channels	8 isolated and independent channels
Input range	0 to 320 ohms per channel
Input connections	Supports 2-, 3-, and 4-wire RTD / variable-resistance temperature sensor inputs
Communication	Via redundant Fieldbus
Power consumption	9 W maximum

Recommended Listing / Inventory Note

Suggested catalog language:

Note: This listing may include multiple hardware revisions of the Foxboro / Invensys / Schneider Electric P0400YD FBM03 RTD Input Module. Units may vary physically by enclosure style, label format, and revision marking, including

older Foxboro-era REV H-2 modules and later P0400YD-0U / -0V / -0Y suffix variants. All units are identified as P0400YD / FBM03 / RTD Input modules. Buyer should verify revision compatibility with the intended I/A Series installation before purchase.

Conclusion

The REV H-2 unit is most likely an earlier Foxboro production revision of the same P0400YD / FBM03 RTD Input Module. The visible mechanical difference is likely due to generational enclosure and manufacturing changes. The -0U, -0V, and -0Y suffixes on the other modules should be treated as later production suffix variants unless Schneider/Foxboro documentation for a specific customer installation indicates otherwise.

Sources Reviewed

• Schneider Electric I/A Series PSS index: PSS 21H-2B5 B4 listed as RTD Input Interface Module (FBM03), release 0801, 4 pages, 1.0 MB. URL: https://paresource.schneider-electric.com/iaseries/pss/pss5/prtnum_pss_21h2.htm

• PSS 21H-2B5 B4 PDF: Platinum and Nickel RTD Input Interface Module (FBM03), including channel count, input range, RTD wiring support, Fieldbus communication, power, isolation, and environmental specifications. URL: https://www.tdc3000.com/Files/FoxIA%20Docs/21h2b5b4.pdf

• Public distributor listing reference for product identity: P0400YD / FBM03 / PSS 21H-2B5 B4 RTD Input Interface Module. URL: https://www.nexinstrument.com/p0400yd

Prepared from user-provided photos and public product/specification references. This assessment is not an OEM compatibility certification; final compatibility should be verified against the specific I/A Series chassis, baseplate, configuration, and site maintenance documentation.

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