

Foxboro - 200 Series / EcoStruxure Foxboro DCS**FBM240**

Redundant Discrete Output Module with Readback

Verified product identity

FBM240 is the official functional model and RH917GZ is its current exact module part number; RH927BM is the separate redundant adapter.

Verified specifications

I/O channels	8 voltage-monitor inputs and 8 outputs with readback
Channel isolation	Each channel isolated; relay TA isolates each input/output pair
Filter/debounce	No filtering, 4, 8, 16 or 32 ms
Direct DC output voltage	60 VDC maximum
Direct DC output current	2.0 A maximum
Output off-state leakage	0.1 mA maximum
Isolation test	600 VAC for one minute
Relay output options	15-30 VDC at 5 A; 80-120 VAC at 5 or 10 A; 80-125 VDC at 5 A
Fail-safe firmware baseline	Version 1.40N or later for the newer fail-safe options
Pair power consumption	5 W maximum total
Pair heat dissipation	5 W maximum total
Current module part number	RH917GZ

Selection summary

Foxboro FBM240 is an eight-channel redundant discrete output module with voltage-monitor inputs and output readback for Foxboro DCS control.

APTER POWER

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FBM240

Additional verified specifications

Required redundant adapter	RH927BM
Module Fieldbus	Redundant 2 Mbps
Input power	24 VDC +5%, -10%
Operating temperature	-20 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	5 to 95%, noncondensing
Operating altitude	-300 to +3,000 m
Storage altitude	-300 to +12,000 m
Vibration	0.75 g from 5 to 500 Hz
Contamination class	ISA-S71.04 Class G3
Dimensions	10.2 × 4.5 × 10.4 cm (H × W × D); 11.4 cm height including mounting lugs
Weight	0.284 kg per module (official approximate module net weight)

Installation and commissioning

- Match the exact electronic-module order number, termination assembly, cable, field power and system configuration.
- Preserve channel configuration, wiring, grounding, redundancy state and active diagnostics before removal.
- Commission every used channel with controlled signals and verify alarms, diagnostics and control behavior.

Official applications

- Redundant solenoid and valve control with contact-state readback
- Relay-output control of AC or DC plant loads
- Direct 15-60 VDC discrete-output service with monitored demand state

Evidence boundary

Dimensions and weight apply only to the FBM240 electronic module. Termination assemblies, cables, adapters, companion modules and packaging are excluded.

Source basis: official Schneider Electric / Foxboro model-specific Product Specifications Sheet.