Bently Nevada 170180-01-00

Bently Nevada 170180-01-00 is a two-channel FieldMonitor external transducer I/O module for externally conditioned proximity inputs. The -01 input execution supplies and receives the documented Proximitor signal pair.

IMPORTANT NOTICE	Only values tied to the documented product family and visible ordering fields are used. Unresolved suffixes remain unchanged.

Work definition

Scope	Install or replace the exact identified product within its documented system.
Evidence	170180 FieldMonitor External Transducer I/O Module Specification 141480-01 Rev. E
Control	Use the approved machine isolation, bypass and restoration procedure.
Acceptance	Record the final status and functional response.

Key capabilities

- Occupies one position in a FieldMonitor terminal base.
- Accepts two external Proximitor signal channels in the -01 execution.
- Provides the documented negative transducer supply for the selected interface.
- Passes conditioned transducer signals to the paired monitoring module.

Related models

Bently Nevada 330130-080-12-05	Related portfolio reference; verify the complete execution.
Bently Nevada 330130-080-00-05	Related portfolio reference; verify the complete execution.
Bently Nevada 330130-045-00-05	Related portfolio reference; verify the complete execution.
Bently Nevada 330130-070-00-05	Related portfolio reference; verify the complete execution.

Readiness gate

Identity Compare the complete label with the work order and installed record.	**System match** Confirm mating components, channel type and configuration.
Condition Inspect connectors, terminals, mounting surfaces and cable condition.	**Controls** Apply authorized isolation and machinery-protection bypass controls.

Technical profile

Platform	FieldMonitor 1701
Module role	External transducer I/O
Input channels	2
Selected interface	External Proximitor sensor inputs
Terminal-base use	One module position
Input signal range	0 V to negative transducer supply

Manufacturer evidence

Specification 141480-01 Rev. E defines the two-channel external-transducer module and the -01 Proximitor-interface execution.

Related models

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Bently Nevada 330130-070-00-05	Related portfolio reference; verify the complete execution.

Installation sequence

01 Confirm 170180-01-00 on the module and terminal-base record.	**02** Verify both connected channels use the external Proximitor interface expected by the -01 execution.
03 Record terminal assignments, shields and negative supplies before removal.	**04** Isolate the FieldMonitor terminal base according to the site procedure.
05 Do not mix this execution with internal-Proximitor interface modules.	**06** Inspect terminal contacts and module keying before insertion.

Connection record

As found	Photograph and label each connection before removal.
Mechanical	Confirm correct mounting, support and connector engagement.
Electrical	Verify polarity, common, shield and channel assignment.
Configuration	Restore the approved settings for this exact position.

IMPORTANT NOTICE	Never use a nearby model, MOD execution or unresolved suffix as an automatic replacement.

Site record

Work order	Record reference and authorized scope.
Installed position	Record machine, channel or rack location.
As-found status	Record signal, alarm or channel condition.
Technician review	Record independent verification before energizing.

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Commissioning checks

Power-up Observe initial status and confirm no unexpected fault or alarm.	**Static check** Verify the expected bias, gap, loop or channel value.
Dynamic check Apply the approved machine or test response and confirm scaling.	**Protection check** Verify configured alarm, relay or receiving-system behavior.

Final precautions

- Restore the paired monitor configuration before applying a signal.
- Verify both channels for supply, bias, response and alarm-path operation.

Application confirmation

Proximity channel interface Connect two external Proximitor sensors to a paired two-channel monitor.	**Legacy FieldMonitor maintenance** Restore a documented 1701 terminal-base position.
Shaft vibration input Pass qualified proximity signals to a configured vibration channel.	**Position monitoring** Interface a supported displacement channel through external signal conditioning.

Related models

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Bently Nevada 330130-080-00-05	Related portfolio reference; verify the complete execution.
Bently Nevada 330130-045-00-05	Related portfolio reference; verify the complete execution.
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Acceptance checklist

Exact identity	Label matches the authorized product record.
Mating system	All required components and configuration agree.
Physical condition	Mounting, routing, connectors and terminals are secure.
Signal quality	Static and dynamic readings meet the approved expectation.
Protection state	Bypasses are removed and alarms or relays are restored.
Documentation	Results, changes and unresolved items are recorded.

Technical FAQ

What is Bently Nevada 170180-01-00?

It is a FieldMonitor external transducer I/O module.

How many channels are handled by Bently Nevada 170180-01-00?

The module accommodates two transducer inputs.

Which interface is selected by Bently Nevada 170180-01-00?

The -01 execution is used for externally conditioned Proximitor inputs.

Where is Bently Nevada 170180-01-00 installed?

It occupies one slot in a FieldMonitor terminal base.

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Bently Nevada 330130-070-00-05	Related portfolio reference; verify the complete execution.

IMPORTANT NOTICE Release the equipment only after the site acceptance authority approves the recorded result.

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