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.

Product capabilities

Feature 1
Occupies one position in a FieldMonitor terminal base.

Feature 2
Accepts two external Proximitor signal channels in the -01 execution.

Feature 3
Provides the documented negative transducer supply for the selected interface.

Feature 4
Passes conditioned transducer signals to the paired monitoring module.

Evidence scope

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

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.

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Manufacturer-supported technical data

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
Frequency response -5% above 25 kHz	**Selection rule** Use the exact -01 input execution with the paired monitor module

IMPORTANT NOTICE	Use each value only for the component or complete system stated in the applicable manufacturer source.

System boundary

The transducer i/o module must remain within its defined transducer or monitoring-system boundary. Confirm the mating hardware, controlled configuration and final signal response before restoring protection.

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Common applications

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.

Commissioning path

1 / Identify
Record the complete label and installed context.

2 / Match
Confirm the intended probe, cable, module or monitor chain.

3 / Connect
Follow the controlled wiring and mounting procedure.

4 / Accept
Verify status, signal response and configured protection behavior.

Application boundary

Application examples describe typical use of the documented product family. Final channel type, target, mounting, loop scaling and protection logic remain machine-specific.

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Product precautions

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.
07 Restore the paired monitor configuration before applying a signal.	**08** Verify both channels for supply, bias, response and alarm-path operation.

IMPORTANT NOTICE	Do not energize, bypass protection or return a channel to service until the applicable site authorization and functional acceptance are complete.

Release record

Identity	Complete label and installed position recorded
Configuration	Controlled settings restored and reviewed
Signal path	Connections, shielding and connector condition checked
Functional result	Expected status and response documented

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Bently Nevada 170180-01-00

Technical questions

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.

Can Bently Nevada 170180-01-00 be used for probes without external Proximitor sensors?
No. Those arrangements use different interface-module executions.

What should be documented before replacing Bently Nevada 170180-01-00?
Record both channel assignments, supplies, commons and shields.

Manufacturer reference

170180 FieldMonitor External Transducer I/O Module Specification 141480-01 Rev. E

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

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