Emerson EZ1900-003-ADAP-1

01 Function and selected configuration

Product function

Emerson EZ1900-003-ADAP-1 supports integration of the listed PR sensor families with the EZ1000 measurement chain. Its converter-side connector locks with an audible click, while the final response remains determined by the selected probe, target and converter calibration.

Selected configuration

The ADAP-1 adapter is specified for PR6424/0xx-xx0, PR6425/010-1x0 and PR6426/0x0-xx0 sensor versions. It is not the ADAP-2 interface for Bently Nevada 33010x probes and is not the ADAP-90 space-saving connector for EZ108x sensors. The complete adapter and sensor markings must therefore be retained.

Functional path

Supported PR sensor	ADAP-1 interface	Matched EZ1000 converter	Monitoring signal

Compatible probes	PR6424/0xx-xx0, PR6425/010-1x0, PR6426/0x0-xx0
Converter firmware	1.0.6 or higher for the listed PR sensors
Converter connection	Push-in locking connector without cap nut

At the converter end, insert the connector into the sensor socket until it locks with an audible click. This adapter connection has no cap nut; pulling the connector releases it. The opposite end mates with the applicable PR sensor connector. The joint requires the specified insulation, with additional provisions for a hazardous-area installation where applicable.

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02 Technical operating envelope

Supported PR6424 versions	PR6424/0xx-xx0
Supported PR6425 versions	PR6425/010-1x0
Supported PR6426 versions	PR6426/0x0-xx0
Required converter firmware	1.0.6 or higher for these PR sensors

Converter interface	Push-in locking connection; no cap nut
Release method	Pull connector from sensor socket
Connection insulation	Black heat-shrink at sensor joint
Additional Ex insulation	Blue heat-shrink where required by installation

No independent sensitivity, measurement span, power or temperature rating is assigned to this adapter from converter or probe data. Verify those limits for the actual complete chain.

Signal interpretation

ADAP-1 changes the connector interface required by the listed PR sensors; it does not convert an arbitrary probe into an approved EZ1000 measuring chain. Verify the precise sensor suffix and converter calibration.

Interface boundary

Use the locking mechanism described for ADAP-1. A threaded-cap procedure for another connector must not be transferred to this cap-nut-free adapter end.

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03 System integration and applications

PR6424 interface

Connect a supported PR6424/0xx-xx0 sensor to the appropriate converter configuration.

PR6425 interface

Use the specified PR6425/010-1x0 version without substituting another probe suffix.

PR6426 interface

Connect PR6426/0x0-xx0 through the correct ADAP-1 connector path.

Converter integration

Check firmware and calibration before commissioning the adapted measurement chain.

System and supply context

Use ADAP-1 between the specified PR6424, PR6425 or PR6426 versions and a compatible EZ1000 converter. The probe and converter are separate items and require a matched calibration.

Application boundary

Integration can retain a supported PR measurement point while connecting to an EZ1000 conditioner. Electrical range and target response remain properties of the complete transducer system.

What converter firmware is needed when using EZ1900-003-ADAP-1 with the listed PR sensors?

The listed PR6424, PR6425 and PR6426 support starts at firmware 1.0.6. Confirm the actual converter hardware and firmware before configuration.

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04 Engineering selection decisions

Which PR6425 version connects through EZ1900-003-ADAP-1?

The specified family is PR6425/010-1x0. Other PR6425 suffixes must not be assumed compatible merely because they share the same family name.

Does the converter end of EZ1900-003-ADAP-1 require a cap nut?

No. The ADAP-1 converter connector is identified without a cap nut. Push it into the sensor socket until it locks with an audible click.

Does EZ1900-003-ADAP-1 determine the measurement scale factor?

No. Scale factor and measuring range depend on the probe, target and matched EZ1000 calibration. The adapter supplies the specified interconnection.

How should the chain containing EZ1900-003-ADAP-1 be verified after connection?

Check the exact probe selection and calibrated operating point, then apply an approved controlled target displacement and compare the converter output with the expected proportional response.

Use the locking connector	Insert until the audible click; do not attempt to tighten a nonexistent cap nut.
Insulate the joint	Apply the required heat-shrink and relevant hazardous-area provisions.

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05 Configuration boundary and references

Lifecycle and support

The current manufacturing and factory-support phase of EZ1900-003-ADAP-1 is not confirmed. Product availability alone does not establish its lifecycle status.

Replacement assessment

Retain ADAP-1 and the exact supported PR sensor version. Verify converter hardware, firmware and calibration before changing the interface.

Document roles

Use the original manufacturer excerpt for its preserved technical tables and drawings. This product brief explains selection and system context. The separate installation guide covers preparation, connection, tests and handover; it does not replace manufacturer instructions.

Technical basis

Emerson AMS EZ 1000 Converter Operating Manual, MHM-97884 Rev. 2.1, March 2026.

Related product navigation

- Emerson PR9268-301-100
- Emerson PR9268-302-100

These are related references, not confirmed substitutes or an automatically approved assembly.

Product enquiries