Emerson EZ1900-003-ADAP-1

01 Establish the compatible combination

1 Read all three identities

Record the adapter, probe and converter markings. Confirm the PR suffix falls within the supported family pattern.

2 Check the firmware boundary

Identify the installed converter firmware before selecting a PR sensor configuration. Do not assume a connector fit alone establishes support.

PR6424	PR6424/0xx-xx0
PR6425	PR6425/010-1x0
PR6426	PR6426/0x0-xx0
Firmware	1.0.6 or higher

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02 Inspect and connect the interface

1 Identify the converter end

The ADAP-1 end has no cap nut. Inspect the socket and connector for damage or contamination before connection.

2 Engage the lock

Push the connector into the sensor socket until it locks with an audible click. Arrange support so cable tension does not load the joint.

Locking	Push-in, audible click
Release	Pull connector from socket
Other adapters	ADAP-2 and ADAP-90 have different assignments

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03 Protect the sensor connection

1 Complete the sensor-side joint

Use the correct mating PR connector and preserve the specified connection and insulation procedure.

2 Apply the appropriate insulation

Use black heat-shrink at the joint. Apply additional blue insulation and other required measures only as specified for the actual hazardous-area installation.

Normal joint insulation	Black heat-shrink
Ex provisions	Additional measures depend on installation
Cable handling	Support without pulling connector or conductors

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04 Commission the calibrated chain

1 Restore the probe selection

Confirm the connected probe version, target and converter calibration. Do not assign another sensor family merely because an output is present.

2 Set and test the operating point

Use the commissioning procedure for the actual measurement mode. Check proportional response with controlled target movement and compare the downstream indication.

Scale factor	Determined by matched probe and converter
Operating gap	Verified at the actual calibrated output
Acceptance	Complete-chain response, not connector fit alone

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05 Record the integrated measurement point

1 Retain the evidence

Record all complete model codes, converter hardware and firmware, selected sensor configuration and measured operating point.

2 Release for operation

Confirm connector engagement, insulation and downstream indication, then remove maintenance overrides through the responsible personnel.

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

Related product navigation

Emerson PR9268-202-100

Emerson PR9350-02

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