

EZ1900-003-ADAP-1

Sensor Cable Adapter

Emerson EZ1900-003-ADAP-1 is the non-armored cable adapter for connecting specified PR642x sensor cables to the AMS EZ1000 converter. The order code identifies a 0.35 m adapter intended for the documented PR6424, PR6425 and PR6426 variants.

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
Complete model	EZ1900-003-ADAP-1
Product role	Sensor Cable Adapter
System family	AMS EZ1000 Converter
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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EZ1900-003-ADAP-1

Technical Specifications

PARAMETER	VERIFIED VALUE
Complete order code	EZ1900-003-ADAP-1
Function	PR642x sensor cable adapter
Aarmor	None
Cable length	0.35 m
Supported PR6424	PR6424/0xx-xx0
Supported PR6425	PR6425/010-1x0
Supported PR6426	PR6426/0x0-xx0
Connection insulation	Included shrink sleeve
Hazardous-area marking	Additional blue sleeve when required

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Use EZ1900-003-ADAP-1 only with the PR642x suffixes listed in the AMS EZ1000 manual. Insulate the completed connection with the supplied shrink sleeve and add the blue sleeve when the hazardous-location instructions require it.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Confirm EZ1900-003-ADAP-1 and the full connected PR642x suffix.
2	De-energize the converter and place the channel in maintenance state.
3	Do not use the adapter with a PR642x order code not listed by Emerson.
4	Inspect both mating connectors for bent contacts or contamination.
5	Route the 0.35 m unarmored lead away from abrasion and hot surfaces.

System Role and Architecture

Emerson EZ1900-003-ADAP-1 is the non-armored cable adapter for connecting specified PR642x sensor cables to the AMS EZ1000 converter. The order code identifies a 0.35 m adapter intended for the documented PR6424, PR6425 and PR6426 variants.

FUNCTION 1
Adapts selected PR642x cables to an EZ1000 converter

FUNCTION 2
Provides a 0.35 m non-armored connection

FUNCTION 3
Uses a supplied shrink sleeve for insulation

FUNCTION 4
Supports a blue identification sleeve in the documented hazardous setup

Common Applications

APPLICATION	ENGINEERING CONTEXT
PR6424 converter migration	Connects an approved PR6424/0xx-xx0 cable to EZ1000.
PR6425 retrofit	Adapts the listed PR6425/010-1x0 construction.
PR6426 measurement upgrade	Interfaces the specified PR6426/0x0-xx0 cable.
Controlled cable-transition repair	Replaces the exact adapter while preserving the documented sensor and converter chain.

CONTROLLED ACCEPTANCE DUTY
Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Confirm EZ1900-003-ADAP-1 and the full connected PR642x suffix.
2	De-energize the converter and place the channel in maintenance state.
3	Do not use the adapter with a PR642x order code not listed by Emerson.
4	Inspect both mating connectors for bent contacts or contamination.
5	Route the 0.35 m unarmored lead away from abrasion and hot surfaces.
6	Apply the supplied shrink sleeve over the completed connection.
7	Install the blue sleeve where the hazardous-location procedure requires it.
8	Verify converter selection, gap voltage and dynamic response before release.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
Which sensors are documented for Emerson EZ1900-003-ADAP-1?	The operating manual lists PR6424/0xx-xx0, PR6425/010-1x0 and PR6426/0x0-xx0 configurations.
How long is Emerson EZ1900-003-ADAP-1?	The ordering table specifies a 0.35 m cable adapter.
Is Emerson EZ1900-003-ADAP-1 armored?	No. The exact ADAP-1 order code is the non-armored version.
Why is a shrink sleeve supplied with Emerson EZ1900-003-ADAP-1?	It insulates and secures the completed adapter-to-sensor connection as described in the operating manual.

Model-Specific FAQ - Part 2

QUESTION	ANSWER
When is the blue sleeve used with Emerson EZ1900-003-ADAP-1?	Emerson instructs that the additional blue sleeve be fitted when the applicable hazardous-environment arrangement requires it.
Can Emerson EZ1900-003-ADAP-1 be used with every PR642x probe?	No. Use is restricted to the exact PR6424, PR6425 and PR6426 suffix patterns listed in the official manual.
What must be configured after installing Emerson EZ1900-003-ADAP-1?	Confirm the EZ1000 converter is set for the connected PR642x sensor type and total measurement chain.
How is Emerson EZ1900-003-ADAP-1 accepted in service?	Inspect and sleeve the connection, verify stable gap voltage, move the target through a controlled range and prove polarity, scaling and channel alarm response.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 31000-16-05-00-070-03-02	View Bently Nevada 31000-16-05-00-070-03-02
Bently Nevada 31000-16-05-00-071-03-02	View Bently Nevada 31000-16-05-00-071-03-02
Bently Nevada 31000-16-10-00-050-03-02	View Bently Nevada 31000-16-10-00-050-03-02
Bently Nevada 31000-26-05-00-040-01-02	View Bently Nevada 31000-26-05-00-040-01-02
Bently Nevada 31000-26-05-20-041-01-02	View Bently Nevada 31000-26-05-20-041-01-02
Bently Nevada 31000-28-05-00-059-02-02	View Bently Nevada 31000-28-05-00-059-02-02
Bently Nevada 31000-28-05-00-061-01-02	View Bently Nevada 31000-28-05-00-061-01-02
Bently Nevada 31000-28-05-15-032-03-02	View Bently Nevada 31000-28-05-15-032-03-02

MANUFACTURER SOURCE RECORD

AMS EZ1000 Converter for Eddy Current Sensors Operating Manual and Data Sheet
Emerson MHM-97884, Rev. 2.1, March 2026; converter data sheet, December 2023

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