

Level

244LD LevelStar Intelligent Buoyancy Transmitter for Level, Interface and Density – HART and FOUNDATION Fieldbus

MI EML0010-Ex

Safety Operating Instructions

Revised July, 2024



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Important Safety Instructions

Read these instructions carefully and look at the equipment to become familiar with it before trying to install, operate, service, or maintain it. The following safety messages might appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety message indicates that an electrical hazard exists that results in personal injury if the instructions are not followed.



This safety alert symbol that lets you know about potential personal injury hazards. Obey all safety messages with this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

Failure to follow these instructions will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation that, if not avoided, **could result in** death or serious injury.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

CAUTION

CAUTION indicates a hazardous situation that, if not avoided, **could result in** minor or moderate injury.

Failure to follow these instructions can result in injury or equipment damage.

NOTICE

NOTICE is used to address practices not related to physical injury.

Failure to follow these instructions can result in equipment damage.

Please Note

Electrical equipment should only be installed, operated, serviced, and maintained by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Measuring Amplifier

Safety operating instructions for Measuring Amplifier AID 421 (intrinsically safe in HART/Foundation Fieldbus, AD 931(Flameproof and Dust Tight), and measuring sensor AD 432 /A/B.

Electrical Safety

- Complies with the general safety requirements EN 61010-1:2011-07, measurement category II and pollution degree 3.
- Installation shall be performed only by trained service personnel.
- Connect and use the equipment components according to their wiring diagrams and electrical data.
NOTE: Safety precautions taken in the equipment may be rendered ineffective if the equipment is not operated in accordance with the product MI.
- Complies with EN 61010-1:2011-07 for limiting the power supply for fire protection.
- Adheres to national application regulations for electrical equipment.
- 244LD transmitters are suitable for use in potentially explosive atmospheres.

Explosion Protection

- Read the complete instructions in MI EML0710 before installing and operating the 244LD transmitter. Refer to EU Type Examination Certificates for additional compliance details.
- For equipment intended for use in potentially explosive atmospheres, comply with all relevant national and installation regulations. For example, in Germany, these are BetrSichV and EN 60079-14.
- The 244LD transmitter shall be installed in accordance with the Essential Health and Safety Requirements of Directive 2014/34/EU, the product certificates (EPS 23 ATX 1308 X, EPS 23 ATEX 1309 X, and/or EPS 23 ATEX 1319 X), and the product manual.

Repairing Ex-Equipment

- Use only the manufacturer's original parts to repair or alter explosion protection equipment.
- Repairs or alterations involving parts required for equipment for use in potentially explosive atmospheres, must either be carried out by the manufacturer, a relevant authorized specialist, or a relevant authorized certification body and certified by authorization stamp or certificate.
- No change in components or component suppliers shall be allowed without prior agency approval.

CE Mark Compliance

- Equipment complies with electromagnetic compatibility requirements according to EMC Directive 2014/30/EU. The operating location is an industrial environment.
- Equipment complies with ATEX Directive 2014/34/EU.
- Equipment complies with RoHS Directive 2011/65/EU, inclusive of Directive (EU) 2015/863.
- Equipment (pressure bearing parts) complies with Pressure Equipment Directive 2014/68/EU.

Mounting Location

Protect transmitters against direct and extreme sun and/or heat exposure.

Comply with the maximum permissible ambient temperature ranges.

Ingress Protection IP66

To meet the IP66 ingress protection requirement, make sure the cable glands and/or plugs are installed. The cable glands and/or plugs must be sealed.

Decommissioning

Prior to decommissioning the unit, take precautions to avoid operation disturbances.

 DANGER
HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH
Conditions to avoid operation disturbances:
• Comply with explosion protection instructions. • Switch off the power supply. • Be cautious with hazardous process media. • Depressurize tubes and vessels. • With toxic, flammable, or environmental harmful process media, observe relevant safety regulations.
Failure to follow these instructions will result in death or serious injury.

Process Media

For dealing with process media, comply with the relevant safety regulations. Process temperature and therefore housing temperature can be between -196°C and +500°C.

⚠⚠ DANGER**HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH**

- Use only transmitters suitable for oxygen measurement.
- Use only fittings free of oil and grease.
- Verify that all parts that may come in contact with oxygen are free of oil and grease.

Failure to follow these instructions will result in death or serious injury.

Recurring Checks

Perform checks before the initial start-up and during specified intervals on the electrical process equipment by an electrical specialist to ensure proper condition of mounting, installation and operation.

For pressure instruments we recommend a check cycle of:

- 2 years for the external check.
- 5 years for the internal check.
- 10 years for the resistance strength check.

NOTICE**RISK OF EQUIPMENT DAMAGE**

With corrosive and abrasive process media the check cycles have to be shortened.

Failure to follow these instructions can result in equipment damage.

Combinations

For equipment with explosion protection:

- The transmitters are assembled according to a modular design principle. The corresponding components are for multiple use and have their own certificates for explosion protection.
- The certificates are marked as “Type AD 931,” “Type AID 421,” or “Type AD 432 A/B”; these codes also appear on the labels and on the Certificate of Conformity documents.

AD 931 (Ex db)

Conditions:

- Permissible ambient temperature ranges:
 - -20°C to +85°C at temperature class T4
 - -20°C to +75°C at temperature class T6
- With Ex d certified equipment, the screw hole is 1/2–14 NPT or M20 x 1.5.

- Ex d certified equipment must be connected by means of suitable cable entries or conduit systems that meet the requirements of EN 60079-1 Part 13.1 and 13.2, and for which a separate certificate has been issued.

⚠ WARNING

SAFETY HAZARD

For cable entries or conduit systems, the user assumes responsibility.

Any openings not in use must be sealed with a certified cover screw.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

- The housings of equipment with an Ex d certificate must not be opened in potentially explosive atmospheres. This is not applicable only if instruments are not connected to any terminals or it is ensured that for the particular time there is no danger of explosion in the concerned areas.
- For equipment with certificate Ex db ia, the cover for the terminal box may be opened safely without restrictions. The user assumes responsibility.
- With Ex d protection all housing covers and all securing screws must be sealed and must be secured against unintentional opening.

AD 931, AID 421, AD 432

Mounting on side of vessel (vessel extension)	Use fittings resistant to flame penetration in Zone 0.
Mechanics	- Displacers of more than 3 m length must be secured against oscillating when used in Zone 0. - Guide devices over 3 m length must be secured against bending.
Electrostatic Protection	- To avoid the danger of electrostatic ignition, ensure a connection to the transmitter with good conductivity. The volume resistance between the lower end of the displacer and the ground must not exceed 1 MOhm. - When used in Zone 0 apart from displacers of metal only ones of PTFE + 25% carbon (surface resistance < 1 MOhm) and composed molded pieces are used.
Potential Equalization	A potential equalization line must be mounted as an electrical bypass of the displacer suspension(s), if the residual displacer weight is < 10 N or if more than 6 contact points are present.
Cover Screws	Ensure accurate and tight fitting of all cover screws.
Flushing Connection	If a flushing connection is welded to the pressure body, it must be equipped with fittings resistant to flame penetration, or completely sealed.
Mounting of Sensor Elements	Switch off current supply before mounting or dismantling the pressure sensor or the connection cables.

⚡⚠ DANGER

HAZARD OF ELECTRICAL SHOCK OR EXPLOSION

The connection must be completely isolated from earth during mounting or dismantling of the pressure sensor.

Failure to follow these instructions will result in death or serious injury.

AID 421 HART/FF (Ex ia d T6)

DANGER

EXPLOSION HAZARD

The terminal compartment is intrinsically safe, whereas the electronics are located in the housing under pressure. For this reason, the electronics compartment, unlike the terminal compartment, must not be opened in potentially explosive atmospheres.

For the connection of the intrinsically safe circuits, the instructions of the EU Certificate of Conformity are valid.

Failure to follow these instructions will result in death or serious injury.

Impact test - The glass window of the electronics compartment cover passed the impact test at the low impact energy of 2 Joule.

Electrical Data of Transmitter AID 421

Permissible ambient temperature range:

- -20 to +85°C at temperature class T4
- -20 to +75°C at temperature class T6

For connection to a certified intrinsically safe circuit with the following maximum values:

- HART version:
 - $U_i = 30 \text{ V}$
 - $I_i = 150 \text{ mA}$
 - $P_i = 0.9 \text{ W}$
- FOUNDATION Fieldbus version:
 - $U_i = 24 \text{ V}$
 - $I_i = 380 \text{ mA}$
 - $P_i = 5.32 \text{ W}$

FOUNDATION Fieldbus

Electrical Connections

The bus wirings must be connected to the identified housing clamps. Polarity is not relevant.

If the transmitter is interconnected with other instruments according to the FISCO model, comply with the installation references according to the PNO-Manual for PROFIBUS PA, (Version 1.2/Outline). Otherwise, comply with the rules for interconnection according to the *PTB-Report PTB-ThEx-10gI* study.

Electrical Data of the Transmitter

Permissible ambient temperature range:

- For flameproof version (AD 931):
 - -20°C to +85°C at temperature class T4
 - -20°C to +75°C at temperature class T6
- For intrinsically safe version (AID 421):
 - -20°C to +80°C at temperature class T4
 - -20°C to +75°C at temperature class T6

The transmitter, with reference to the section AID 421 HART / FF (Ex db ia T6), can be used for connection to intrinsically-safe supply circuits:

	Intrinsically safe ia/ib IIC, FISCO ¹	Intrinsically safe ia/ib IIB, FISCO ¹	Intrinsically safe ia/ib IIC, linear ²
According to FISCO-Model	Yes	Yes	Yes
Maximum Output Voltage U_o	17.5 V	17.5 V	24V
Maximum Short Circuit Current I_o	360 mA	380 mA ³	250 mA
Maximum Output Performance P_o	2.52 W	5.32 W	1.2 W

The transmitter complies with the requirements of the FISCO model when connected to a FISCO supply instrument. For this reason, it can be interconnected with other FISCO instruments when adhering to the FISCO installation guide.

Overload limit maximum (bar)	Safety limit (bar)
Up to 400	600
500	600

For connection to a certified intrinsically safe circuit with the following maximum values:

- $U_i = 24 \text{ V}$
- $I_i = 380 \text{ mA}$
- $P_i = 5.32 \text{ W}$

Mechanical Loading Capacity and Corrosion Resistance of the Membrane

The explosion protection depends on the density of the membrane of the measuring cell (rust free, corrosion resistant metals, membrane thickness > 0.06 mm). The transducer may therefore be used only for gases and liquids for which the membrane is sufficiently resistant to chemicals and corrosion.

⚠ CAUTION
HAZARD OF EQUIPMENT DAMAGE The membrane must be protected from mechanical influences. Do not touch or scratch the membrane. Failure to follow these instructions can result in injury or equipment damage.

1. Supply instrument with rectangular or trapezoidal characteristics curve according to the FISCO model.
 2. Supply instrument or barrier with linear characteristics curve. If grounding of the barrier is necessary, ground only the input lead.
 3. The current limit value can be determined by assuming a rectangular characteristics curve.

Instruments with CE Marking (per PED 2014/68/EU)

Startup, installation, usage and maintenance of the equipment are permissible only according to the manufacturer's instructions (see PSS and MI). The safe operation requires a regular check of the equipment (see *Recurring Checks*, page 7).

⚠ CAUTION

HAZARD OF PERSONAL INJURY OR EQUIPMENT DAMAGE

Loosen, open or remove screws, nuts, bolts and other equipment parts only when the equipment is in a depressurized condition.

Failure to follow these instructions can result in injury or equipment damage.

Permissible Pressure Temperature Range with Pressure Equipment

Table 1 - Material: 1.4404 / 1.4435 / 1.4541 / 1.4571

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C						
DIN PN	ANSI class	-196 -10	-10 +50	+100	+200	+300	+400	+500
16		16	16	16	12	9	7	5
40		40	40	35	32	28	25	21
63		63	63	56	50	44	32	24
100		100	100	95	80	70	64	56
160		160	160	142	128	113	97	88
250		250	250	230	200	177	162	148
400		400	400	368	320	280	260	236
500		500	500	460	380	320	300	272
	150	19	19	16	13	10	6	4
	300	49	49	42	35	31	27	23
	600	99	99	84	71	63	58	50
	900	148	148	126	107	94	87	78
	1500	248	248	211	178	158	145	130
	2500	400	400	350	296	262	241	216

Table 2 - Material: 1.0460 (P250GH)

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C					
DIN PN	ANSI class	-10 +50	+50 +120	+200	+250	+300	+350
16		16	16	13	11	9	8
40		40	40	35	32	27	21
63		63	63	50	45	39	30
100		98	98	80	70	60	48
160		160	160	130	112	96	90
250		250	250	200	175	150	140
400		400	360	320	280	240	200
500		500	400	400	375	312	250
	150	16	16	14	12	10	8
	300	46	46	43	41	38	37
	600	92	92	87	83	77	73
	900	139	139	131	123	116	110
	1500	231	231	219	206	180	145
	2500	400	360	320	280	240	200

Table 3 - Material: 2.4858 (Inconel 825)

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C					
DIN PN	ANSI class	-10 +50	+100	+200	+300	+400	+450
16		16	14	12	11	10	10
40		40	34	30	28	26	25
63		63	55	48	45	42	40
100		100	86	75	70	66	63
160		160	138	120	112	105	102
250		250	216	187	176	164	159
	150	20	17	15	14	13	12
	300	50	43	37	35	33	32
	600	110	96	82	77	72	64
	900	155	134	116	109	105	97
	1500	260	224	195	183	171	162

Table 4 - Material: 2.4856 (Inconel 625)

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C						
DIN PN	ANSI class	-196 -10	-10 +50	+100	+200	+300	+400	+450
16		16	16	14	13	12	11	11
40		40	40	36	33	31	29	28
63		63	63	58	53	50	47	45
100		100	100	92	84	78	73	71
160		160	160	147	134	126	117	113
250		250	250	230	210	197	184	177
	150	20	20	18	16	15	14	14
	300	51	51	47	42	40	37	36
	600	102	102	93	85	80	75	72
	900	153	153	140	128	120	112	108
	1500	255	255	234	214	201	187	181

Table 5 - Material: 1.4462 (DUPLEX)

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C					
DIN PN	ANSI class	-10 +50	+100	+150	+200	+250	+280
16		16	14	13	12	12	11
40		40	36	33	31	29	28
63		63	57	54	49	47	45
100		100	90	84	77	74	71
160		160	144	134	124	118	114
250		250	225	209	194	184	178
	150	20	18	17	15	14	14
	300	50	45	42	39	37	35

Table 5 - Material: 1.4462 (DUPLEX) (Continued)

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C					
DIN PN	ANSI class	-10 +50	+100	+150	+200	+250	+280
	600	110	99	92	85	81	78
	900	155	139	130	120	114	110
	1500	260	234	218	201	191	185

Table 6 - Material: 2.4819 / 2.4610 (HC)

PRESSURE		Max. permissible operating Pressure in bar at Temperature in °C					
DIN PN	ANSI class	-196 -10	-10 +50	+100	+200	+300	+400
16		16	16	16	14.5	13.5	13
40		40	40	40	36	34	32
63		63	63	63	57	54	51
100		100	100	100	90	85	80
160		160	160	160	144	136	128
250		250	250	233	209	200	184
	150	18	18	18	16	15	14
	300	49	49	49	44	41	39
	600	99	99	99	89	84	70
	900	148	148	148	133	125	118
	1500	260	260	243	217	209	192

Table 7 - Test Pressure (in bar)

	PN								Class					
	16	40	63	100	160	250	400	500	150	300	600	900	1500	2500
bar	22.9	57.2	91.5	143	228.8	357.5	572	715	29	75	149	224	373	644

Declaration of Conformity

Figure 1 - Page 1 of EU/SIL Declaration of Conformity



EU/SIL DECLARATION OF CONFORMITY

We, Manufacturer:
Eckardt SAS
(Subsidiary of Schneider Electric Industries SAS
FR-93500 Rueil Malmaison)
20 rue de la Marne
FR-68360 Soultz

Hereby declare under our sole responsibility that the products:

Trademark	EcoStruxure™ Process Instrumentation
Product, Type	244LD, Type AID421, AD931, AD432, AD432 A/B
List of reference and options	See next pages

Are in conformity with the requirements of the following directives and conformity was checked in accordance with the following standards.

Directive	Harmonized Standard
PED Directive 2014/68/EU	AD 2000-Code resp. EN 13445 Applied conformity assessment procedures: Module H Module B For these products the following EU-Certificate exists: DGR-0036-QS-1308-19 Z-IS-AN3-STG-19-11-2974395-06143258 Z-IS-AN3-STG-19-11-2974395-06145525 Z-IS-AN3-STG-19-11-2974396-06151130 Z-IS-AN3-STG-19-11-2974395-06152151 Z-IS-AN3-STG-19-11-297 4395-06153642 Z-IS-AN3-STG-19-11-2974395-06154417 Z-IS-AN3-STG-19-11-2974395-06160046 Z-IS-AN3-STG-19-11-2974395-06160954 Z-IS-AN3-STG-19-11-2974395-07080005 Z-IS-AN3-STG-19-11-2974395-07082801 Z-IS-AN3-STG-19-11-2974395-06133002 Z-IS-AN3-STG-19-11-2974395-06134621 Z-IS-AN3-STG-19-11-2974395-06142201 Z-IS-AN3-STG-19-11-2974395-06140955 Z-IS-AN3-STG-19-11-2974395-07085001 Z-IS-AN3-STG-19-11-2974395-07092548 Notified Body: TÜV SÜD Industrie Service GmbH, Westendstr. 199, D-80686 München Notified Body no.0036
EMC Directive 2014/30/EU	EN 55011:2009+A1:2010 Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement EN 61326:2013 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
ATEX Directive 2014/34/EU	EN IEC 60079-0:2018 Explosive atmospheres - Part 0: Equipment - General requirements EN 60079-1:2014 Equipment protection by flameproof enclosures "d" EN 60079-11:2012 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" EN 60079-26:2015 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga AID421 + AD432- Protection String(s): ⒺII 2 G Ex db ib/ia IIB/IIC T4/T6 Gb -20°C≤Tamb≤+75°C...+80°C AID421 + AD432 A/B- Protection String(s): ⒺII 1/2 G Ex db ib/ia IIB/IIC T4/T6 Ga/Gb -20°C≤Tamb≤+75°C...+80°C EU-Type examination certificate EPS 23 ATEX 1308 X and EU-Type examination certificate EPS 23 ATEX 1309 X

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Figure 2 - Page 2 of EU/SIL Declaration of Conformity



EU/SIL DECLARATION OF CONFORMITY

	AD931 + AD432- Protection String(s): Ⓔ II 2 G Ex db IIC T4/T6 Gb -20°C≤Tamb≤+75°C...+85°C AD931 + AD432 A/B- Protection String(s): Ⓔ II 1/2 G Ex db IIC T4/T6 Ga/Gb -20°C≤Tamb≤+75°C...+85°C EU-Type examination certificate EPS 23 ATEX 1319 X and EU-Type examination certificate EPS 23 ATEX 1309 X
RoHS Directive 2011/65/EU (Inclusive of Directive (EU) 2015/863)	EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Additionally, the devices complies with functional safety requirements according to **IEC 61508:2010 part 1 – 7** and are suitable for use in a safety related application according IEC 61511-1, if the safety instructions and the following parameters are observed:

Product	244LD LevelStar
Device Revision	6.2.x Software 8.29, 7.0.x Software 9.29
SIL	2
Proof test interval	≤ 5 Jahre / Years
Device Type	B
HFT	0 ¹⁾ (Single channel using)
SFF	92%
PFD _{avg}	1,02x10 ⁻³
PFH ²⁾	< 0,42 x 10 ⁻⁷
λ _{du}	42 FIT
λ _{dd}	502 FIT
λ _{su}	0 FIT
λ _{sd}	0 FIT
MTTF ³⁾	210 Jahre / Years
DC _D	92%

¹⁾ According to chapter 11.4.4 of IEC 61511-1

²⁾ Error response time < 5min

³⁾ For MTTR = 8h

Subject to correct installation, maintenance and use conforming to its intended purpose, to the applicable regulations and standards, to the supplier's instructions and to accepted rules of the art.
This declaration becomes invalid in the case of any modification to the products not authorized by us.



Steve CONLON
Director of Compliance Engineering
Process Automation R&D
Industrial Automation Business
Schneider Electric
July, 2024
Issued at Foxboro Massachusetts, USA

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Figure 3 - Page 3 of EU/SIL Declaration of Conformity



EU/SIL DECLARATION OF CONFORMITY

List of reference and options:

Product	Description
244LD-xxxxxxxxxD0C ⁽¹⁾	Buoyancy transmitter, flameproof, zone 0, T6
244LD-xxxxxxxxxD1C ⁽¹⁾	Buoyancy transmitter, flameproof, zone 1, T6
244LD-xxxxxxxxx0C4 ⁽¹⁾	Buoyancy transmitter, Intrinsic-safe, zone 0, T4
244LD-xxxxxxxxx0C6 ⁽¹⁾	Buoyancy transmitter, Intrinsic-safe, zone 0, T6
244LD-xxxxxxxxx1C4 ⁽¹⁾	Buoyancy transmitter, Intrinsic-safe, zone 1, T4
244LD-xxxxxxxxx1C6 ⁽¹⁾	Buoyancy transmitter, Intrinsic-safe, zone 1, T6
244LD-xxxxxxxxZZZ ⁽¹⁾	Buoyancy transmitter, without certification
244LD-xxxxxxxxxxx-Q ⁽¹⁾	Buoyancy transmitter, SIL

⁽¹⁾ "xxx" represent variations of the product.

If the DoC is intended to NOT be included in the User Information Documents, include an image or images, as appropriate:



244LD⁽²⁾

⁽²⁾ Model shown for reference only

If appropriate, additional considerations / limitations of use:

AD931:

- AD432 A: For all flammable liquids, except carbon disulfide
- AD432 B: For all flammable liquids
- Repairs on flameproof joints may only be performed in accordance with the manufacturer's design specifications.
- Repair on the basis of the values in tables of EN 60079-1 is not permitted.
- The measuring amplifier, type AD 931, shall be connected by means of suitable cable entries or conduit systems, which meet the requirements of EN 60079-1
- Cable entries (conduit threads) and sealing plugs of simple designs must not be used. Should the measuring amplifier, type AD 931, be connected by means of a conduit entry which has been approved for this purpose, the required sealing device has to be provided immediately at the terminal box.
- Openings not used shall be closed in a way that meets the requirements of EN 60079-1, section 13.
- The connecting lead of the measuring amplifier, type AD 931, shall be installed so as to provide for permanent wiring and adequate protection against damage.

AID421:

- The impact test of the glass window in the cover of the electronic compartment has been met with the low impact energy of 2 J.

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ORIGINAL DECLARATION, NO TRANSLATION WITHOUT WRITTEN AUTHORISATION

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Model Range

Table 8 - Model Range for 244LD HART/FOUNDATION Fieldbus

Product	Type	Approval	Test Certificate	Guideline 2014/34/EU
Intrinsically safe	AID 421 + AD432	II 2 G Ex db ib/ia IIB/IIC T4/T6 Ga/Gb	EPS 23 ATEX 1308 X	EN IEC 60079-0:2018
	AID 421 + AD432 A/B	II 1/2 G Ex db ib/ia IIB/IIC T4/T6 Ga/Gb	EPS 23 ATEX 1309 X	EN 60079-1: 2014
				EN 60079-11: 2012
				EN 60079-26: 2015
Flameproof	AD 931 + AD432 A/B	II 1/2G Ex db IIC T4/T6 Ga/Gb	EPS 23 ATEX 1319 X	EN IEC 60079-0:2018
	AD 931 + AD432	II 2G Ex db IIC T4/T6 Gb	EPS 23 ATEX 1309 X	EN 60079-1: 2014
				EN 60079-26: 2015

Product Disposal and Recycling

International concern about environmental pollution resulting from improper disposal of products and materials at the end of their useful life has resulted in an increase in legislation to control the methods and procedures used to handle waste electrical and electronic equipment. While the regulatory status in some regions of the world has progressed to the point where formal legislation is already in effect, many other regions are in the process of creating similar legislation or adopting legislation already in existence in other areas. The result in the years ahead will be more stringent control over disposal of products and recycling of their components once they are withdrawn from use.

Since regulations governing the disposal of your instrument and accessories may vary depending upon your geographic location, the following guidelines are provided to assist you in identifying the options available to you once the decision has been made to replace or dispose of this product:

- Contact the supplier who sold you the product. Whether this is Schneider Electric itself, or one of its authorized representatives, the supplier should be knowledgeable about the national and local regulations governing disposal and recycling of products in your area. In some cases, the supplier may be legally obligated to accept the product from you and arrange for proper disposal or recycling with no further involvement on your part. Alternately, the supplier can provide you with specific instructions for actions that you can take to dispose of the product properly.
- Contact your local government agency responsible for waste collection and disposal. They can identify procedures and restrictions in effect to ensure proper disposal, and available locations where products can be sent.
- Contact Schneider Electric Global Customer Support: <http://www.se.com>. Global Customer Support personnel will provide you with contact information for local disposal, or instructions for returning the product directly to Schneider Electric.

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Global Customer Support: <https://pasupport.se.com>

As standards, specifications, and design change from time to time,
please ask for confirmation of the information given in this publication.

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MI EML0010-Ex