

Number: 96/2020

Product: Gas Volume Conversion Device
Type: ELCOR, ELCORplus, ELCORplus indexer

Manufacturer: ELGAS, s.r.o.
Semtínská 211
Ohrazenice
533 53 Pardubice
Czech Republic

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: gas volume conversion device ELCOR and all its variants.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:




1. European Parliament and Council Directive 2014/34/EU (ATEX):

Notified body no. 1026 (AO 210) - Physical-Technical Testing Institute s.p. (FTZÚ), Pikartská 7, 716 07, Ostrava-Radvanice, Czech Republic issued EU type examination certificate no.: FTZÚ 17 ATEX 0143X followed by Supplement no. 1 of 12.03.2019. Valid until: 12.03.2024.

Used standards: EN 60079-0:2012+A11:2013; EN 60079-11:2012

Type of protection shall include the indication:  II 1G Ex ia IIB T4 Ga ZONE 0

Type of protection according to the device variant when using extension modules:

 II 1G Ex ia IIB T3 Ga	with 2G and LTE communication boards	ZONE 0
 II 2G Ex ib IIA T3 Gb	with the PWR2 board	ZONE 1
 II 2G Ex ib IIB T4 Ga	with the SCR board	ZONE 1

Notified body No. 1026 (Physical-Technical Testing Institute s.p. (FTZÚ), Pikartská 7, 716 07, Ostrava-Radvanice, Czech Republic) issued on 01.04.2020 „Quality assurance notification“ No. FTZÚ 02 ATEX Q010 7th edition according to the Directive 2014/34/EU Annexes IV and VII. Validity till: 31.03.2023.

2. Directive IECEx - IEC 60079-0:2017 ed.7.0 a IEC 60079-11:2011 ed.6.0

Physical-Technical Testing Institute s.p. (FTZÚ), Pikartská 7, 716 07, Ostrava-Radvanice, Czech Republic issued EU type examination certificate for this type of product: **IECEx FTZU 17.0023X** followed by Supplement no. 1 of 12.03.2019.

Type of protection: Intrinsic safety

Marking: Ex ia IIB T4 Ga

Type of protection according to the device variant when using extension modules:

2G and LTE communications: **Ex ia IIB T3 Ga**

PWR2: **Ex ib IIA T3 Gb**

SCR: **Ex ib IIB T4 Gb**

3. European Parliament and Council Directive 2014/32/EU (MID):

Notified body no.1383 – Czech metrological institute, Okružní 31, 638 00 Brno, Czech Republic issued 3.8.2011 EU type examination certificate no. TCM 143/18 – 5562 of 18.06.2018, appendix Nr.3 from 17.06.2020 . Certification is valid until: 17.06.2028.
Used standards: EN 12405-1+A2:2010 / EN 12405-1:2018.

4. European Parliament and Council Directive 2014/30/EU (EMC):

Company VOP-026 Šternberk, s.p., office VTÚPV Vyškov, V. Nejedlého 691, 682 03 Vyškov, Czech Republic issued test protocols no. 194300-596 / 2017, 194300-064 / 2018.
Used standards: EN 61000-4-2 ed. 2:2009; EN 61000-4-3 ed. 3:2006 / A1:2008 / Z1:2010 / A2:2011; EN 61000-4-4 ed. 3:2013; EN 61000-4-5 ed. 3:2015; EN 61000-4-6 ed. 4:2014; EN 61000-4-8 ed. 2:2010.

5. European Parliament and Council Directive 2011/65/EU (RoHS).

6. European Parliament and Council Directive 2014/53/EU (RED):

Based on used communication module:

Communication module GSM/GPRS: Module manufacturer - company Shanghai SIM-Com Wireless Solution Co., Ltd., Building A, SIM Technology Building, No. 633, Jinzhong Road, Changning District, Shanghai, P.R.China issued on 04.05.2017 EU declaration of conformity with European directive 2014/53/EU (RED) for module SIMCom, model 800H, GSM/GPRS.
Used frequencies: 900/1800 MHz.

Conformity assessment in accordance with Annex III, Module B of Directive 2014/53/EU (RED) was carried out on 01.06.2017 by Notified body No. 0678 - EMCCert DR. RAŠEK GmbH, Störnhöfer Berg 15, 91364 Unterleinleiter, Germany.

Used standards:

- Electrical safety: EN 60950-1:2006 + A11:2009 + A1:2010 +A12:2011+ A2:2013
- EMC: ETSI EN 301 489-1 V2.2.0; ETSI EN 301 489-52 V1.1.0; ETSI EN 301 489-17 V3.2.0
- Radio parameters: EN 301 511 V12.5.1; EN 300 328 V2.1.1

Communication module LTE: Module manufacturer, company Gemalto M2M GmbH., Werlherstraße 81, 81541 München, Germany issued on 12.12.2017 EU declaration of conformity with European directive 2014/53/EU (RED) for module CINTERION, model ELS61-E R2. Conformity assessment procedure to directive 2014/53/EU done by Notified body No. 1588 – American Certification Body, Inc. (ACB), Suite CI 1 0, McLean, VA 221 01, USA.

EU Type Examination Certificate: ATCB022025.

Used standards:

- Health and Safety of the User: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
- EMC: ETSI EN 301 489-1 V2.2.0; ETSI EN 301 489-52 V1.1.0 draft
- Radio parameters: EN 301 511 V12.5.1, EN 301 908-1V11.1V1, EN 301 908-2 V11.1.2, EN 301 908-13 V11.1.2

Technical documentation of the product ELCOR, ELCORplus, ELCORplus indexer is stored at ELGAS, s.r.o., Semtínská 211, Ohrazenice, 533 53 Pardubice, Czech Republic.

EU DECLARATION OF CONFORMITY

Technical documentation of the module GSM/GPRS, model SiMCom, SIM 800H is stored at Shanghai SIMCom Wireless Solution Co., Ltd., Building A, SIM Technology Building, No. 633, Jinzhong Road, Changning District, Shanghai, P.R.China.

Technical documentation of the module LTE, CINTERION, model ELS61-E R2 is stored at Gemalto M2M GmbH, Portfolio Development, Siemensdamm 50, 13629 Berlin, Germany.

Special conditions for safe use:

1. Under certain extreme circumstances the plastic enclosure may store an ignition-capable level of electrostatic charge. Therefore the device shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge. The equipment shall only be cleaned with a damp cloth

Signed for and on behalf of ELGAS, s.r.o.:
Pardubice, June 23th, 2020

A blue ink handwritten signature, appearing to read "Jan Kovář", is written over a faint blue line.

Jan Kovář
Quality manager