



[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU Annex III - MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 20 ATEX 004 X**

[4] PRODUCT: **Gas detection control unit**
TYPE/SERIES: **RYM02M----SE**

[5] MANUFACTURER: **Seitron a Socio Unico S.p.A.**

[6] ADDRESS: **via del Commercio, 9/11 – 36065 Mussolente (VI) - Italy**

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in Report No.:

AT19-0037765-01

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:

EN IEC 60079-0:2018; EN 60079-29-1: 2016

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate

[11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:



II (2)G [Ex Gb] II

This document is composed of 3 pages including 1 annex

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B.U. PRODUCT CONFORMITY ASSESSMENT
CERTIFICATION SECTOR – MANAGER

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PRD N° 005 B

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[13] Annex

[14] EU-type Examination Certificate number: **IMQ 20 ATEX 004 X**

[15] Description of product:

The RYM02M---SE is a nine modules DIN rail mount gas detection control unit.

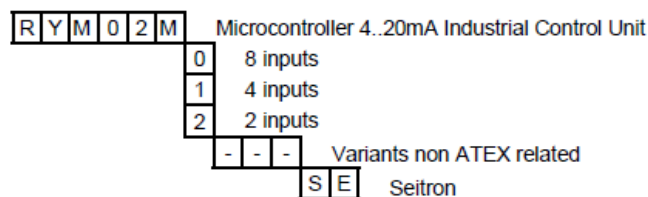
It manages up to eight 4-20mA input signals that come from transmitters for measurement and detection of either L.P.G., Methane, petrol vapors or Carbon Monoxide (CO) and manages also 5 relays output (two of them are auxiliary relays).

It can work with AC extended range power supply or with a standard industrial DC power supply (see Electrical Characteristics for more details).

Overview:

- 12..24 Vdc o 100..240 Vac , 50..60 Hz power supply
- Controls up to 8 zones (2/4/8 versions)
- Manages CO, L.P.G., Methane (CH4) and petrol vapors (n-octane) transmitters.
- Wide parameters configuration freedom
- Last alarm conditions data retention
- LCD backlight 2 x 16 characters display
- 9 modules DIN rail mount

[15.1] Models/Series Identification:



[15.2] **Ratings:** 12-24 Vdc or 100-240 Vac, 50/60 Hz

[15.3] **Safety Ratings:** -

[15.4] **Ambient temperature and temperature classes:** -20°C ÷ +55°C

[15.5] **Degree of protection (IP code):** IP20 (declared by manufacturer)

[15.6] **Warnings:** None

[16] **Report:** AT19-0037765-01

[16.1] Routine (factory) tests:

The manufacturer shall carry out the routine test prescribed at clauses 27 of the EN 60079-0.

[16.2] Conformity with the documentation:

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[13] Annex

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[16.3] **Installation conditions:**

Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0. Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals request special considerations and additional measures by the side of installer or user.

These should be specified to the manufacturer by the user;

It is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.

Installation of equipment has to proceed according to EN 60079-14.

[17] **Special Condition of use (X):**

Control unit RYM02M----SE is suitable for use at ambient temperature of $-20^{\circ}\text{C} \div +55^{\circ}\text{C}$.

Devices installed in zone that have been classified and connected to control unit RYM02M shall be protected with one of the types of protection listed in EN 60079-0, corresponding to their own category.

[18] **Essential Health and safety Requirements:**

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not verified.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:
n/a

[19] **Descriptive documents:** DL-AT19-0037765-01, rev. 0, dated 2020-03-05.

[20] **Certification Validity Conditions:**

The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.

The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.

One copy of the mentioned documentation is kept in IMQ file.

[21] **Variations:**

First issue