IRM

VE294500



3-module 115 ÷ 230 Vac methane gas detector for flush-mounted installation (type 503), with alarm relay for controlling a solenoid valve or auxiliary device. Sensor unit (sensor + electronics) is removable and can be replaced at the end of service life, simply by extracting and replacing with the spare unit.

General features

- The device is equipped with a button for testing and alarm muting.
- Signalling via LEDs:
  - green: power present
  - red: gas alarm
  - yellow: fault present
- Dedicated recess for applying labels indicating the sensor expiry date
- Alarm signalling is via LEDs and buzzer
- Acoustic and visual warning of sensor expiry
- White and anthracite grey front panels included in the package
- Silver-coloured cover frame can be purchased separately

Technical specifications

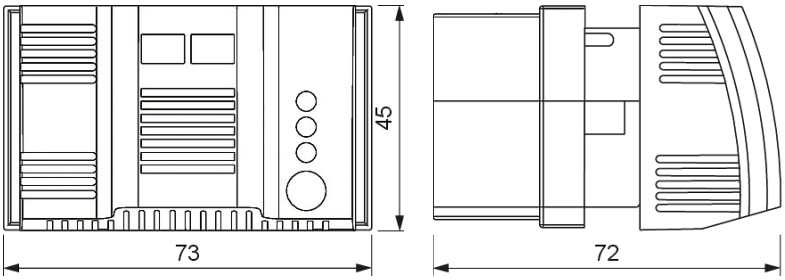
Power supply	
Power supply	115 ÷ 230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Parameter settings	
Intervention threshold	8% L.I.E.
Functions	
Probe alarm buzzer	✓
Functional characteristics	
Acoustic signalling	85 dB (at 1 metre)
Operating conditions	
Operating temperature range	-10 ÷ 40 °C
Relative humidity	30% ÷ 90% non-condensing RH
Storage temperature range	-10 ÷ 50 °C
Outputs	
Relay capacity at 250 Vac	5 (2) A
Mechanical features	
Protection degree	IP40

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

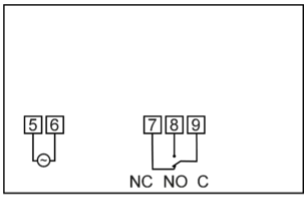
Revision date: 2026-02-02

Physical features	
Color	White Anthracite grey
Sensor lifetime	5 years from the date of installation
Overall dimensions	
Height (A)	45 mm
Width (B)	73 mm
Depth (C)	72 mm

Dimensions



Wiring diagram



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Compatible cover frames

ABB
ABB Chiara series

Bticino
Bticino Axolute series

Bticino
Bticino Light series

Bticino
Bticino Light tech series

Bticino
Bticino Living International series

Bticino
Bticino Magic series

Bticino
Bticino Matix series

Gewiss
Gewiss Chorus series

Gewiss
Gewiss Playbus series

Legrand
Legrand Cross Series

Legrand
Legrand Vela Quadra series

Legrand
Legrand Vela Tonda series

Siemens
Siemens Delta Futura series

Siemens
Siemens Delta Geo series

Vimar
Vimar Eikon series

Vimar
Vimar Idea series

Vimar
Vimar Plana series

For information on whether different cover frames can be used, contact the technical service department

Product set

Set-I MET12

VE315800

Configured set consisting of IRM detector and normally closed solenoid valve with 1/2” connection

Set-I MET34

VE316600

Configured set consisting of IRM detector and normally closed solenoid valve with 3/4” connection

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Accessories compatible with the product

Fr.IRM

VE355400

Silver-coloured cover frame for IRM

Frutto.IRM

VE313300

Spare part for flush-mounted methane gas detector

VALV-12NA 12 Vdc

VE169900

Normally open solenoid valve with Rp 1/2" connection 12 Vdc supply

VALV-34NA 12 Vdc

VE170700

Normally open solenoid valve with Rp 3/4" connection 12 Vdc supply

VALV-01NA 12 Vdc

VE171500

Normally open solenoid valve with Rp 1" connection 12 Vdc supply

VALV-12NC 12 Vdc

VE172300

Normally closed solenoid valve with Rp 1/2" connection 12 Vdc supply

VALV-34NC 12 Vdc

VE173100

Normally closed solenoid valve with Rp 3/4" connection 12 Vdc supply

VALV-01NC 12 Vdc

VE174900

Normally closed solenoid valve with Rp 1" connection 12 Vdc supply

VALV-34NA 230 Vac

VN073300

Normally open solenoid valve with Rp 3/4" connection 230 Vac power supply

VALV-12NA 230 Vac

VN074100

Normally open solenoid valve with Rp 1/2" connection 230 Vac power supply

VALV-01NA 230 Vac

VN075800

Normally open solenoid valve with Rp 1" connection 230 Vac power supply

VALV-34NC 230 Vac

VN076600

Normally closed solenoid valve with Rp 3/4" connection 230 Vac power supply

VALV-12NC 230 Vac

VN077400

Normally closed solenoid valve with Rp 1/2" connection 230 Vac power supply

VALV-01NC 230 Vac

VN078200

Normally closed solenoid valve with Rp 1" connection 230 Vac power supply

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• CEI 216-8 • EN 50270 • EN IEC 63000

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