LCR048

VP810600



[Model variant]

High-sensitivity relay for level control of electrically conductive, non-flammable liquids.

General features

- Insulation: galvanically isolated power and load circuits with double insulation
- Enclosure: grey colour RAL-7035
- Enclosure material: self-extinguishing, class V0 according to UL-94
- Possibility of use in filling or emptying mode
- Allows liquid level maintenance between a minimum and a maximum threshold
- Possibility of use as maximum or minimum alarm threshold
- Electrodes available separately to complete the product (2 for metal wells, 3 for others)
- We recommend using shielded cables for the connection between LCR and the probes

Technical specifications

Power supply	
Power supply	24 / 48 Vac
Frequency	50 / 60 Hz
Absorption	3.5 (2.5) VA (W)
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	20% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Inputs	
Probe sensitivity	4 ÷ 30 kΩ
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	8 A
Terminations	
Termination type	Terminal blocks

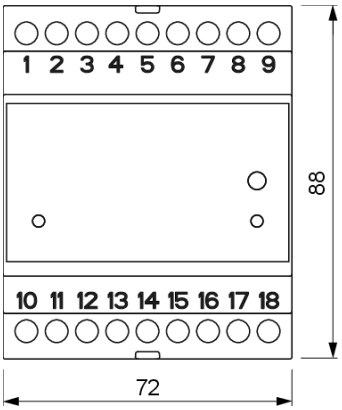
Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical 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

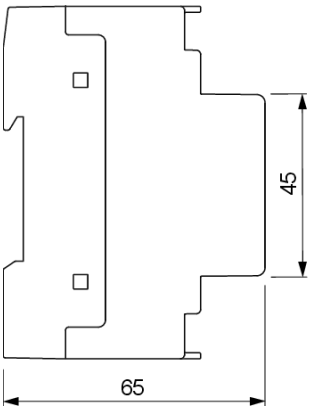
Terminations	
Maximum cable cross-section	6 mm²
Overall dimensions	
Height (A)	88 mm
Width (B)	72 mm
Depth (C)	65 mm

Dimensions

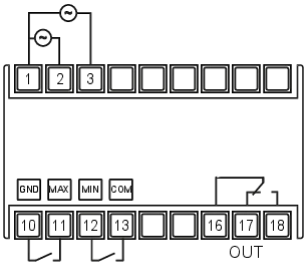
Front View



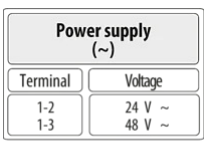
Side View



Wiring diagram



Graphic details



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.

Accessories compatible with the product

ESL

VR448300

Immersion electrode

ES

VR449100

Immersion electrode with ballast

EST

VR450900

Tank electrode with threaded connection

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:

• EN 61010-1 • EN IEC 61000-6-2 • EN IEC 61000-6-3 • EN IEC 63000

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.