

Control relays

LCR

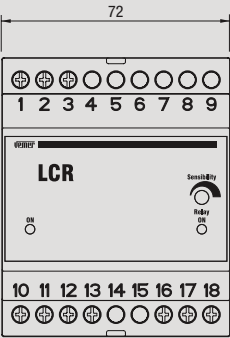
DIMENSIONS (mm)

CONNECTION DIAGRAM

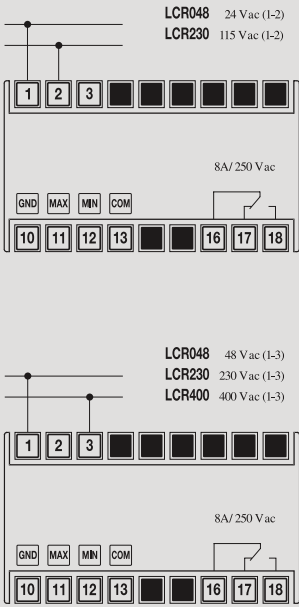
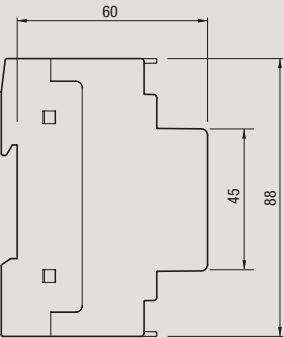
High sensitivity relay to control the level of flameproof electrically conducting liquids.

- Insulation: power supply and load circuits electrically insulated at double insulation level
- Container: grey colour RAL-7035
- Case material: self-extinguishing in class V0 according to the UL-94 standard
- Possibility of use in filling or emptying mode
- To maintain the level of liquid within the set limits between a minimum and a maximum level
- Possibility of use as maximum or minimum alarm threshold
- The electrodes can be purchased separately to complement the product (2 in case of metallic parts, 3 in the other cases)
- The use of shielded cables is suggested for connection between LCR and Probes

Front view



Side view



Diagram

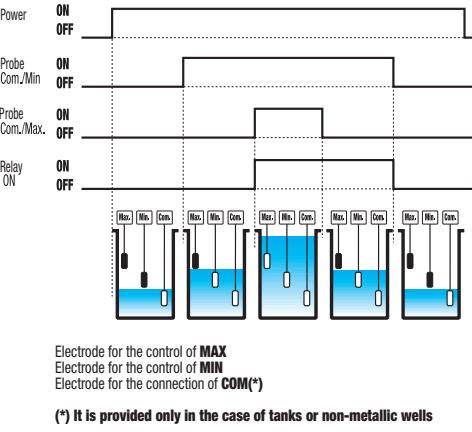
Power supply (~)	
LCR048	
Terminal	Voltage
1-2	24 V ~
1-3	48 V ~
LCR230	
Terminal	Voltage
1-2	115 V ~
1-3	230 V ~
LCR400	
Terminal	Voltage
1-3	400 V ~

MEASUREMENT AND CONTROL

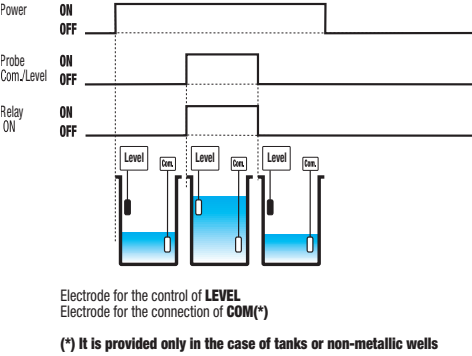
TECHNICAL INFORMATION

LIQUID CONTROL RELAY

Minimum and maximum level control



Control of one liquid level only



Code	Model	Description	Power supply
VP810600	LCR048	Liquid control relay	24 - 48 VAC
VP809800	LCR230	Liquid control relay	115 - 230 VAC
VP808000	LCR400	Liquid control relay	400 VAC

GENERAL CHARACTERISTICS

Power supply	V AC	24-48-115-230-400
Frequency	Hz	50 / 60
Probe sensitivity	KΩ	4 ÷ 30
Probe power supply voltage	V AC	8
Absorption	VA (W)	3.5 (2.5)
Terminal blocks		6 mm²
Container		4 DIN modules
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-10 ÷ +60
Humidity		20% ÷ 90% non condensing

Output			
Relay capacity with change-over contact		AT 250 V AC	
maximum switchable voltage in AC		A	8
maximum switchable current in AC		V	380
maximum switchable power in AC		A	10
		VA	2000

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low Voltage) and 2005/108/EC (E.M.C.)
is declared with reference to the following standards: • Safety: EN 61010-1 • E.M. Compatibility: EN 61000-6-2 / EN 61000-6-4

