



Level control relay LVM25240 with 2 x SN1 electrodes kit LVM25 Emptying or filling

Product designation

Product type designation

Function

**Auxiliary supply**

Supply voltage Type		Multi voltage
Rated voltage $U_s$		24...240VAC/DC
Operating voltage range		0.85...1.1 $U_s$
Rated frequency	Hz	50/60
Power consumption Max	VA	3
Power dissipation Max	W	1.2

**Output characteristics**

Number of connectable electrodes	Nr.	3
Type of electrode		Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar
Electrode voltage		10 V <sub>pp</sub>
Sensitivity	kohm	2.5...100 adjustable

**Time delay**

Tripping time	s	=1
Resetting time	s	=1

**Relay outputs**

Number of relays	Nr.	1
Relay state		Normally de-energised, energises at tripping
Contact arrangement		1 changeover contact C/O-SPDT
Rated operational voltage AC (IEC)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current I <sub>th</sub>	A	8
UL/CSA and IEC/EN 60947-5-1 designation		B300
Electrical life (with rated load)	cycles	105
Mechanical life	cycles	30x10 <sup>6</sup>

**Indications**

Indication		1 green LED for power on 1 red LED for relay state
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### Connections

Terminals type	Screw		
Tightening torque for terminals	max	Nm	0.8
	max	lbin	7
Conductor cross section			
AWG/Kcmil	min	AWG	24
	Max	AWG	12
IEC	min	mm <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	4

### Insulations

Rated insulation voltage Ui	V	240
Rated impulse withstand voltage Uimp	kV	4
Operating frequency withstand voltage	kV	2
Double insulation Supply / relay / electrode	VAC	=250

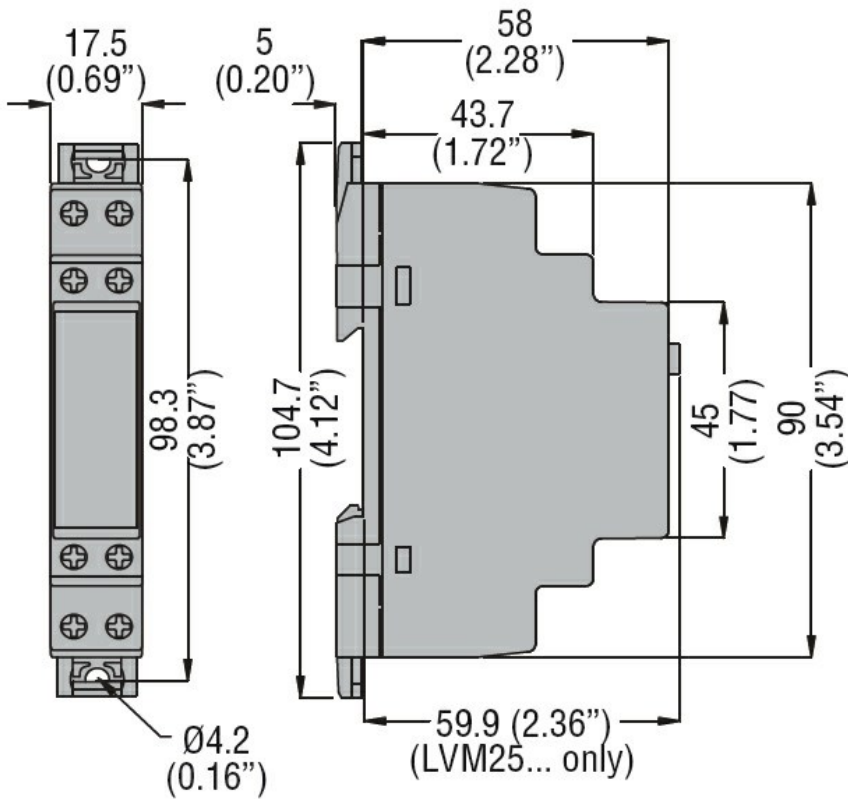
### Ambient conditions

Temperature			
Operating temperature	min	°C	-20
	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	+80

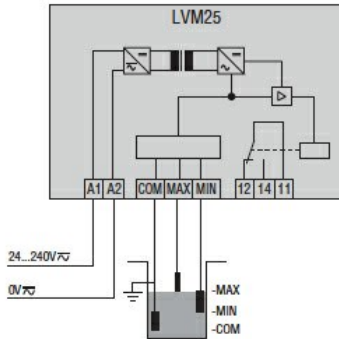
### Housing

Execution	Modular DIN rail mounting		
N° of modules	1		
Material	Self-extinguishing polyamide		
Mounting	35mm DIN rail (IEC/EN 60715) or by screws using extractable clips		
IEC degree of protection	IP40 on front / IP20 on terminals		
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9	
Weight	g	192	

### Dimensions



### Wiring diagrams



### Certifications and compliance

#### Compliance

CSA C22.2 n° 14

IEC/EN 60255-5

IEC/EN 61000-6-2

IEC/EN 61000-6-3

UL508

#### Certificates

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### ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay