



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 Vpp	
Sensitivity	k $\Omega$	2.5...100 adjustable

#### Time delay

Tripping time	s	$\leq 1$
Resetting time	s	$\leq 1$

#### 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 $I_{th}$	A	8
UL/CSA and IEC/EN 60947-5-1 designation	B300	
Electrical life (with rated load)	cycles	$10^5$
Mechanical life	cycles	$30 \times 10^6$

#### 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

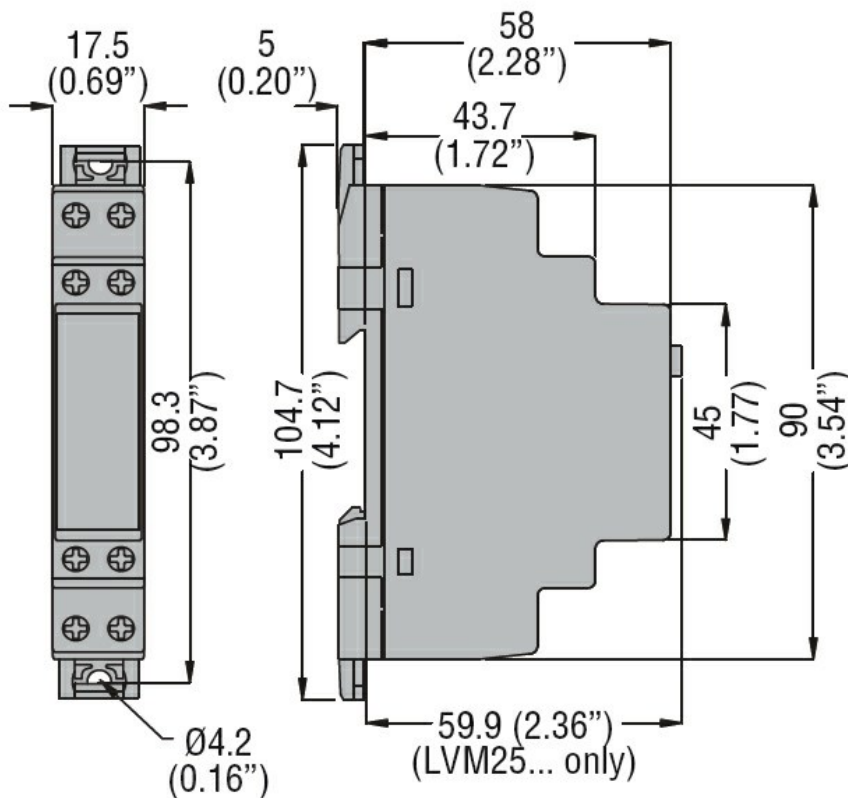
## Ambient conditions

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

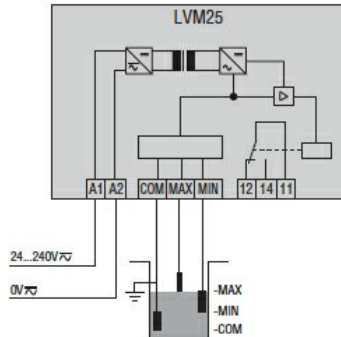
## Housing

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