



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 _{pp}
Sensitivity	k Ω	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 _{th}	A	8
UL/CSA and IEC/EN 60947-5-1 designation		B300
Electrical life (with rated load)	cycles	10 ⁵
Mechanical life	cycles	30x10 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 ²	0.2
	Max	mm ²	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

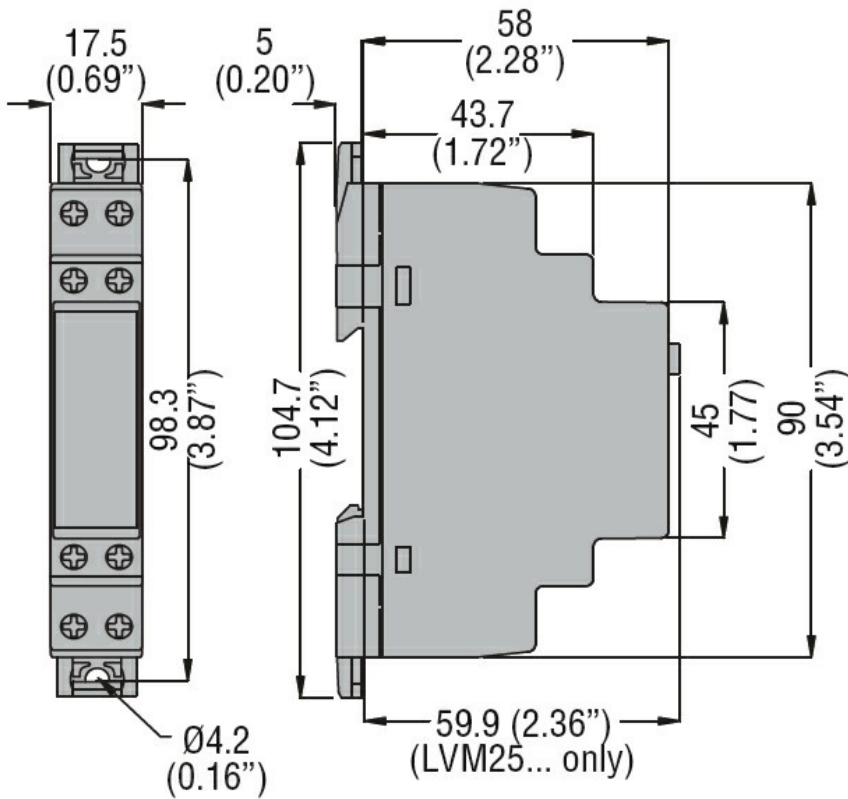
Ambient conditions

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

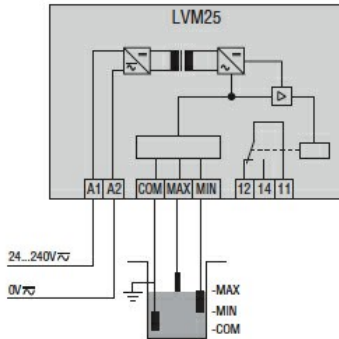
Housing

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