LEVEL CONTROL STARTER KIT COMPLETE WITH LVM25240 RELAY AND TWO SN1 ELECTRODES



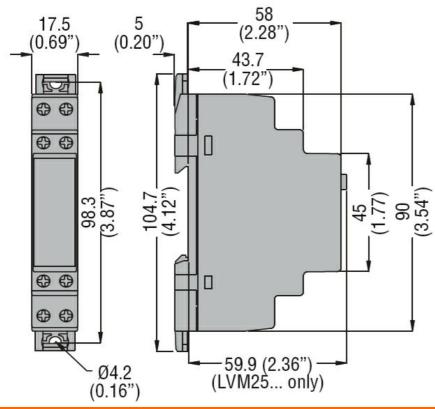
Product designation Product type designation Function Auxiliary supply		Level control relay LVM25240 with 2 x SN1 electrodes kit LVM25 Emptying or filling
		Multi voltage
Supply voltage Type Rated voltage Us		24240VAC/DC
Operating voltage range		0.851.1 Us
	Hz	50/60
Rated frequency	VA	
Power consumption Max	W	1.2
Power dissipation Max	VV	1.2
Output characteristics Number of connectable electrodes	N In	0
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	kΩ	2.5100 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 1 changeover
Contact arrangement		contact C/O- SPDT
Rated operational voltage AC (IEC)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current Ith	Α	8
UL/CSA and IEC/EN 60947-5-1 designation		B300
Electrical life (with rated load)	cycles	10⁵
Mechanical life	cycles	30x10 ⁶
Indications		
Indication		1 green LED for power on 1 red LED for relay

state

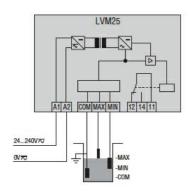
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Terminals type Screw Tightening torque for terminals max Nm 0.8 max bbin 7 Conductor cross section min AWG 24 Max AWG 12 Max AWG 12 Max AWG 12 Max	Connections			
Max	Terminals type			Screw
Conductor cross section	Tightening torque for terminals			
AWG/Kcmil		max	Nm	
AWG/Kcmil Max AWG 24 Max AWG 12 IEC min mm² 0.2 Max mm² 4 Insulations min Max mm² 4 Insulations min Max mm² 4 Insulation voltage Uire V 240 Rated insulation voltage Uire KV 4 Operating frequency withstand voltage KV 2 Operating frequency withstand voltage KV 2 Operating frequency min C 250 Ambient conditions Temperature min °C -20 Factor of the standard of the stand		max	lbin	7
Max AWG 24 AWG 12 AWG AWG 12 AWG				
Max	AWG/Kcmil			
IEC				
Insulations		Max	AWG	12
Insulations	IEC			
Rated insulation voltage Uimp Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Operating temperature Min °C -20 max °C +60 Storage temperature Modular DIN rail mounting N° of modules Material Material Mounting IEC degree of protection Dimensions (W x H x D) Weight VAC \$250 ARV 2 At 4 A 4 A 4 A 4 A 4 A 4 A 4 A				
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 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 tront / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 192		Max	mm²	4
Rated impulse withstand voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Double insulation Supply / relay / electrode VAC ≤250 Ambient conditions 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 64.9 Weight g 192				0.40
Operating frequency withstand voltage kV 2 Double insulation Supply / relay / electrode VAC ≤250 Ambient conditions Temperature				
Double insulation Supply / relay / electrode VAC ≤250 Ambient conditions Temperature Image: Storage temperature of the policy of				
Ambient conditions				
Temperature			VAC	≤250
Operating temperature min °C -20 max °C +60				
Min				
Max °C +60	Operating temperature	min	°C	20
Storage temperature min °C -30 max °C +80 Housing Execution Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IEC degree of protection Dimensions (W x H x D) The storage temperature min °C -30 max °C +80 Modular DIN rail mounting 10 Self-extinguishing polyamide 15 17 17 17 17 17 17 17 17 17				
Modular DIN rail mounting N° of modules Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 192	Storago tomporaturo	IIIax	C	+60
Modular DIN rail mounting N° of modules Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 192	Storage temperature	min	°C	-30
Housing Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide Mounting 35mm DIN rail (IEC/EN 60715) Mounting 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				
Execution Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide Mounting 35mm DIN rail (IEC/EN 60715) Mounting 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	Housing	Пах		100
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N° of modules 1 Material Self-extinguishing polyamide 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	Execution			
Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 192	N° of modules			
Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 192	Metavial			Self-extinguishing
Mounting	Material			polyamide
$\begin{array}{c} \text{Mounting} & \text{or by screws} \\ \text{using extractable} \\ \text{clips} \\ \\ \text{IEC degree of protection} & & \text{IP40 on front / IP20 on terminals} \\ \\ \text{Dimensions (W x H x D)} & & \text{mm} & \frac{17.5 \text{ x } 104.7 \text{ x}}{64.9} \\ \\ \text{Weight} & & \text{g} & 192 \\ \\ \end{array}$				
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	Mounting			
IEC degree of protectionIP40 on front / IP20 on terminalsDimensions (W x H x D)mm $\frac{17.5 \times 104.7 \times 64.9}{64.9}$ Weightg192				
Dimensions (W x H x D)				
Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 192	IEC degree of protection			
Weight 64.9 9 192				
Weight g 192	Dimensions (W x H x D)		mm	
	Weight		ū	
			3	





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

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay