

Product designation

Level control relay for emptying function. Single	
relay for emptying	
voltage. Modular version LVM20	relay for emptying function. Single voltage. Modular version

Product type designation	LVM20
Function	Emptying function
Auxiliary supply	
Supply voltage Type	Single voltage

Rated auxiliary supply voltage Us

P	(2	

	min	VAC	24
Operating voltage range			0.851.1 Us
Rated frequency		Hz	50/60
Power consumption Max		VA	3.5
Power dissipation Max		W	1.8
Output characteristics			
Number of connectable electrodes		N°	3
Type of electrode			Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar
Electrode voltage			7.5 VAC
Sensitivity		kohm	2.550
Time delay			
Tripping time		S	≤0.6
Resetting time		S	≤0.75
Relay outputs			
Number of relays		N°	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 Ith		А	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	105
Mechanical life		cycles	30x106
Indications			

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LVM20A024 LEVEL MONITORING RELAYS, MODULAR VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 24VAC

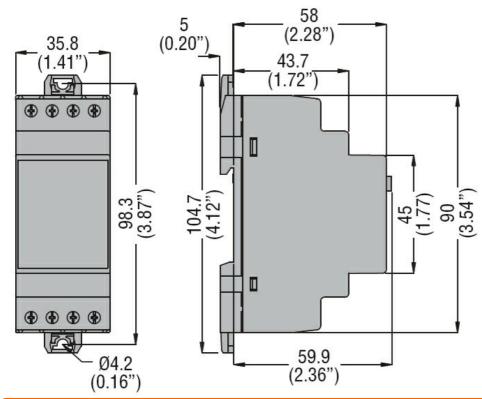
Indication			1 green LED for power on 1 red LED for relay state
Terminals type			Screw
Tightening torque for terminals			Sciew
	max max	Nm Ibin	0.8 7
Conductor cross section			
AWG/Kcmil			
	min Max	AWG AWG	24 12
IEC			
	min	mm²	0.2
	Max	mm²	4
Maximum cable lenght		m / ft	800m max / sensitivity 2.5kΩ 150m max / sensitivity 25kΩ 100m max / sensitivity 50kΩ Calculated using 600V 3-core 0.75mm2 section cables.
Insulations			
Rated insulation voltage Ui		V	415
Rated impulse withstand voltage Uimp		kV	6
Operating frequency withstand voltage		kV	4
Double insulation Supply / relay / electrode		VAC	≤250
Ambient conditions			
Temperature			
		°C	
Operating temperature	min		-20
Operating temperature	min max		-20 +60
	min max	°C	-20 +60
Storage temperature			
	max	°C	+60
	max min	°C °C	+60 -30
Storage temperature Housing Execution	max min	°C °C	+60 -30
Storage temperature	max min	°C °C	+60 -30 +80 Modular 2
Storage temperature Housing Execution	max min	°C °C	+60 -30 +80 Modular 2 Self-extinguishing polyamide
Storage temperature Housing Execution N° of modules	max min	°C °C	+60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips
Storage temperature Housing Execution N° of modules Material	max min	°C °C	+60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals
Storage temperature Housing Execution N° of modules Material Mounting IEC degree of protection Dimensions (W x H x D)	max min	°C °C	+60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals 35.8 x 104.7 x 64.9
Storage temperature Housing Execution N° of modules Material Mounting IEC degree of protection	max min	2° 2° 2°	+60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals 35.8 x 104.7 x

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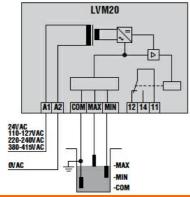
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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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		
cULus		
F AQ		

Certificates

EAC