



Product designation

Product type designation

Function

Level control relay multifunction. Single voltage. Modular version LVM40 Multifunction: emptying function and alarms filling function and alarms emptying function with priority start-up change control filling function with priority start-up change control well draining and tank filling and alarms

Auxiliary supply

Supply voltage Type	Single voltage		
Rated auxiliary supply voltage U_s	AC		
	min	VAC	220
	Max	VAC	240
Operating voltage range	0.85...1.1 U_s		
Rated frequency	Hz	50/60	
Power consumption Max	VA	4.5	
Power dissipation Max	W	2.8	

Output characteristics

Number of connectable electrodes	N°	5	
Type of electrode	Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar		
Electrode voltage	10 Vpp		
Sensitivity	kohm	2.5...200	

Time delay

Tripping time	s	1	
Resetting time	s	1	
Probe tripping delay	1...10s		

Relay outputs

Number of relays	N°	2	
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Relay state	Normally de-energised, energises at tripping		
Contact arrangement	1 changeover contact C/O-SPDT + 1 contact NO-SPST		
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	105	
Mechanical life	cycles	30x10 ⁶	

Indications

Indication	1 green LED indicator for power on 2 red LEDs for relay state 2 red LEDs for probe state		
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Connections

Tightening torque for terminals	max	Nm	0.8
	max	I _{bin}	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 U _i	V	415
Rated impulse withstand voltage U _{imp}	kV	6
Operating frequency withstand voltage	kV	4
Double insulation Supply / relay / electrode	VAC	≤250

Ambient conditions

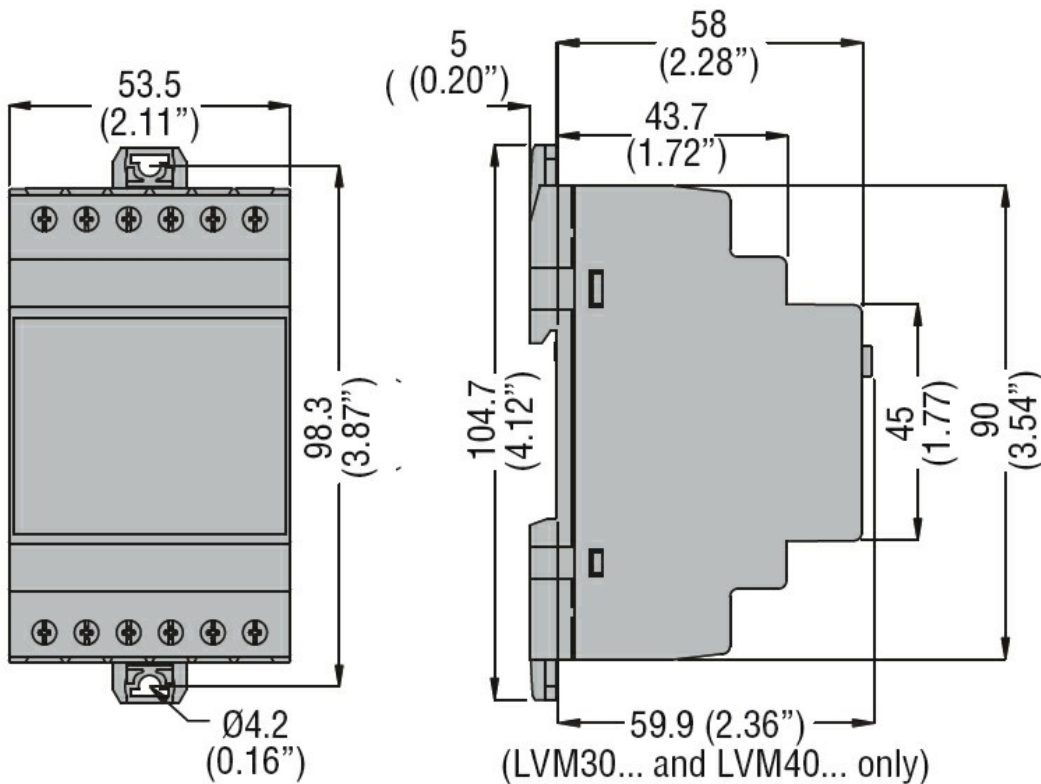
Temperature	Operating temperature		
	min	°C	-20
	max	°C	+60
	Storage temperature		
	min	°C	-30
	max	°C	+80

Housing

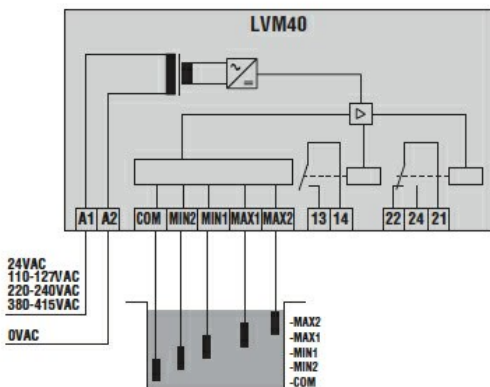
Execution	Modular
N° of modules	3
Material	Self-extinguishing polyamide

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	53.5 x 104.7 x 64.9
Weight	g	278

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

cULus

EAC