



Auxiliary supply

Supply voltage Type Single voltage

Rated auxiliary supply voltage U_s
AC

min	VAC	110
Max	VAC	127

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 Nr. 5

Type of electrode Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar

Electrode voltage 10 Vpp

Sensitivity k Ω 2.5...200 adjustable

Time delay

Tripping time s 1

Resetting time s 1

Probe tripping delay 1...10s

Relay outputs

Number of relays Nr. 2

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 $I_{th} \leq 40^\circ\text{C}$ A 8

UL/CSA and IEC/EN 60947-5-1 designation B300

Electrical life (with rated load) cycles 10^5

Mechanical life cycles 30×10^6

Indications

Indication

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

Functions

3 detecting electrodes (MIN, MAX and COM)	No
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM)	Yes
Sensitivity adjustment 2.5...50k Ω	No
Sensitivity adjustment 2.5...100k Ω	No
Sensitivity adjustment 2.5...200k Ω	Yes
Adjustable sensitivity full-scale value 25-50-100-200 k Ω	Yes
Separate sensitivity adjustment for MAX probe (foam detection)	Yes
Emptying function	Yes
Filling function	Yes
Emptying function with MIN and/or MAX alarm	Yes
Filling function with MIN and/or MAX alarm	Yes
Emptying function with pump priority change	Yes
Filling function with pump priority change	Yes
Tank filling, well drawing and alarm	Yes
Filling-emptying adjustment selector	No
Programming selector for 5 different	Yes
Motor start-up priority change	No

Connections

Tightening torque for terminals

max	Nm	0.8
max	Ibin	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	415
Rated impulse withstand voltage Uimp	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

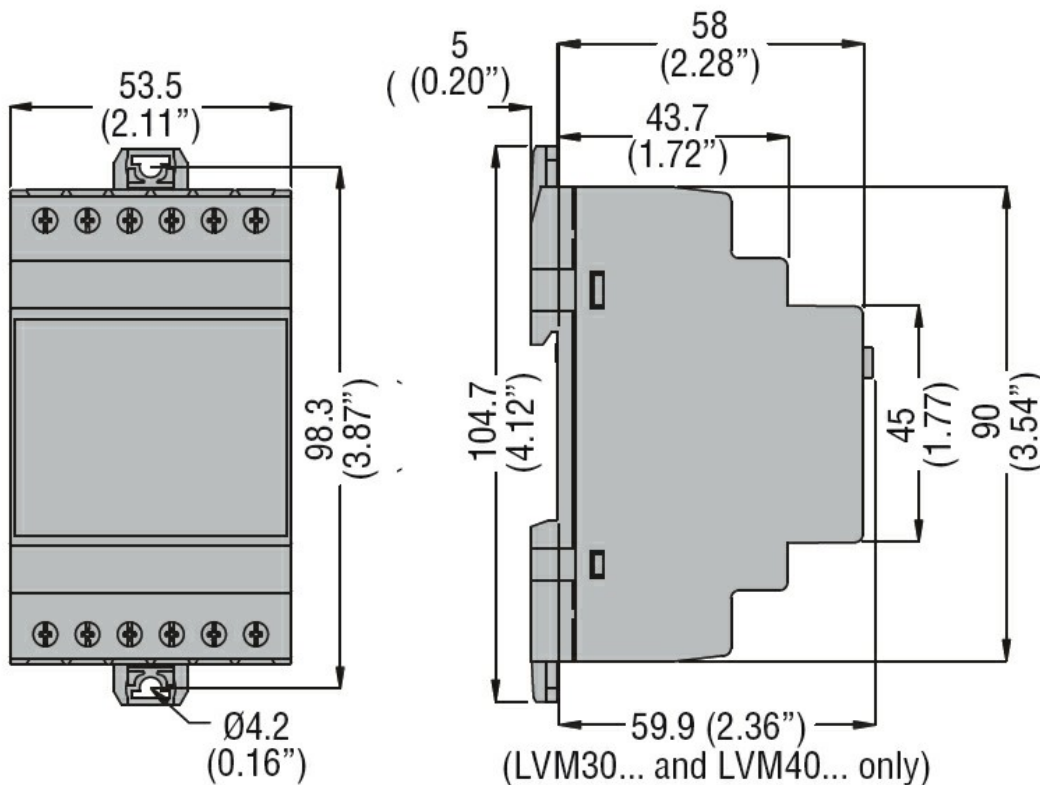
min	°C	-30
max	°C	+80

Housing

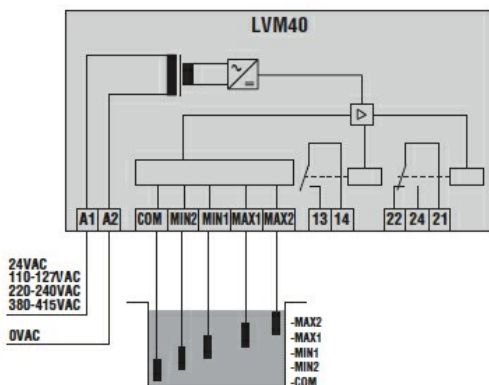
Execution	Modular DIN rail mounting
N° of modules	3

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

ETIM classification

ETIM 8.0

EC001447 - (Fill)
level monitoring
relay