



Level control
relay for
emptying or filling
function. Multi
voltage. Modular
version
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 Vpp	
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	30×10^6

Indications

Indication	1 green LED for power on 1 red LED for relay state
------------	--

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

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

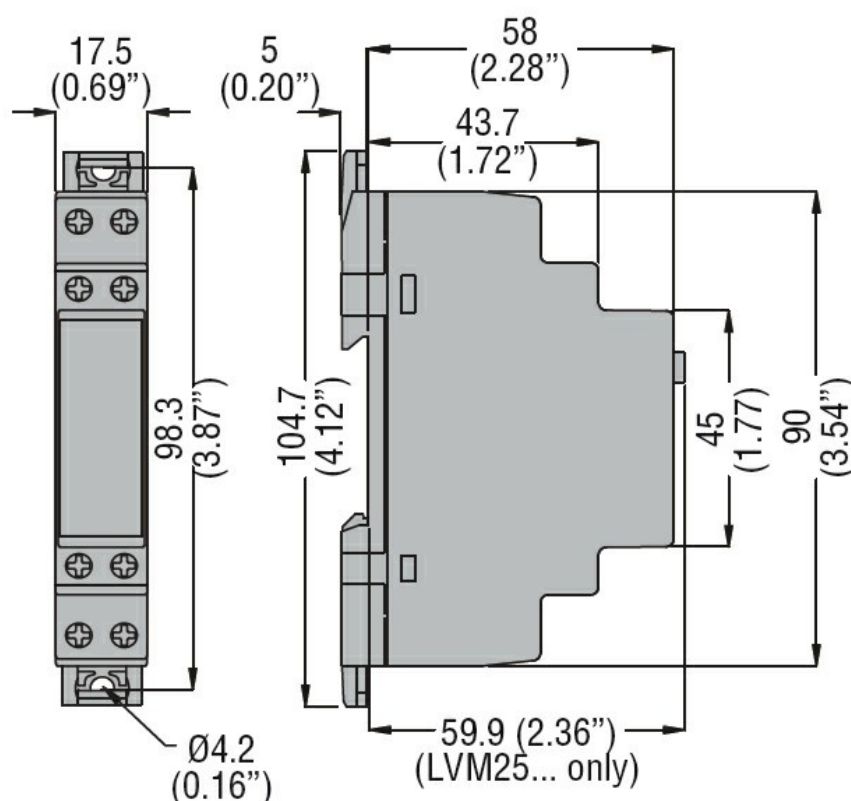
Insulations	
Rated insulation voltage Ui	V 240
Rated impulse withstand voltage Uimp	kV 4
Operating frequency withstand voltage	kV 2
Double insulation Supply / relay / electrode	VAC $\leq$ 250

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

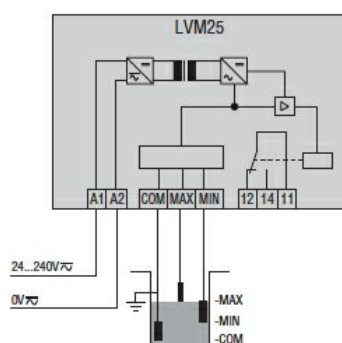
Housing	
Execution	Modular DIN rail mounting
N° of modules	1
Material	Self-extinguishing polyamide

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 95

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