



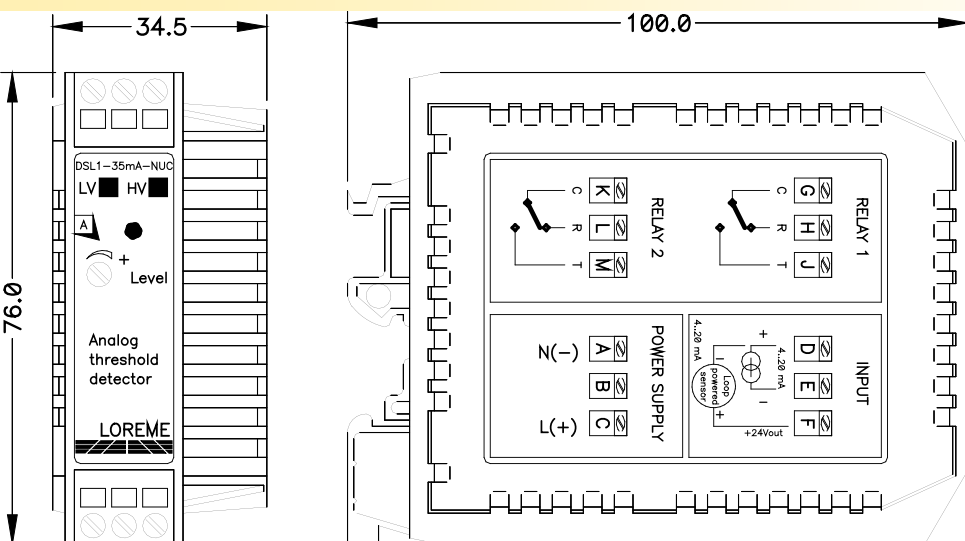
INPUT	
Current mA	4...20 mA
Permissible continuous overload	25 mA
Equivalent input impedance	175 Ohms @ 20 mA
Input drop out voltage	3.5 Vdc typical @ 20mA
Sensor power supply	24Vdc +/- 15% 25mA maxi
THRESHOLD	
Typical adjusting range	0... 25 mA
Accuracy of adjustment	< +/- 0.2% (10 turns pot.)
Tripping repeatability	< +/- 0.1 %
Hysteresis	1% (~ 0.2mA)
Response time	< 20 ms
Long term stability	< 0.5% / year
Loop break detection	Input current = 0 mA
RELAY	
Potential free changeover contact	
Maximum voltage switching	220 Vdc, 250 Vac
Maximum current switching	2 A
Maximum power switching	60 W, 62.5 VA
Minimum voltage switching	100 µV
Initial contact resistance	< 50 mΩ @ 10 mA/20 mV
Thermoelectric potential	10 µV
Impulse withstand voltage (1.2 / 50 µs)	
- between coil and contacts	2500 V
- between open contacts	1500 V
Minimum lifetime on resistive load	1 x 10 <sup>5</sup> operations

POWER SUPPLY	
<b>DSL1-35mA-LV-NUC</b>	20...85 Vac/dc power supply range consumption < 2 Watt, no polarity
<b>DSL1-35mA-HV-NUC</b>	85...265 Vac/dc power supply range consumption < 2 Watt, no polarity
ENVIRONMENT	
Operating Temperature	-25 to 60 °C
Storage Temperature	-40 to 85 °C
Influence	< 0.02 % / °C (% of full scale)
Humidity	85 % (not condensed)
Dielectric strength (supply/input/contact)	1500 Vrms ( IEC 61180-1)
Insulation resistance	> 1 Gohms @ 500Vdc
Protection rating	IP20
Weight	~92 g
MTBF (CEI 62380)	> 4 000 000 Hrs @ 25°C
Life time	> 150 000 Hrs @ 30°C
Shock IEC 60068-2-27 (operating)	15 G / 11 ms
Bump IEC 60068-2-29 (transportation)	40 G / 6 ms
Vibration IEC 60068-2-6 (operating)	1 G / 10 - 150 Hz
Vibration CEI 60068-2-6 (transportation)	2 G / 10 - 150 Hz

Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE		
Immunity standard for industrial environments EN 61000-6-2		Emission standard for industrial environments EN 61000-6-4
EN 61000-4-2 ESD	EN 61000-4-8 AC MF	EN 55011  group 1 class A
EN 61000-4-3 RF	EN 61000-4-9 pulse MF	
EN 61000-4-4 EFT	EN 61000-4-11 AC dips	
EN 61000-4-5 CWG	EN 61000-4-12 ring wave	
EN 61000-4-6 RF	EN 61000-4-29 DC dips	



**WIRING AND OUTLINE DIMENSIONS:**

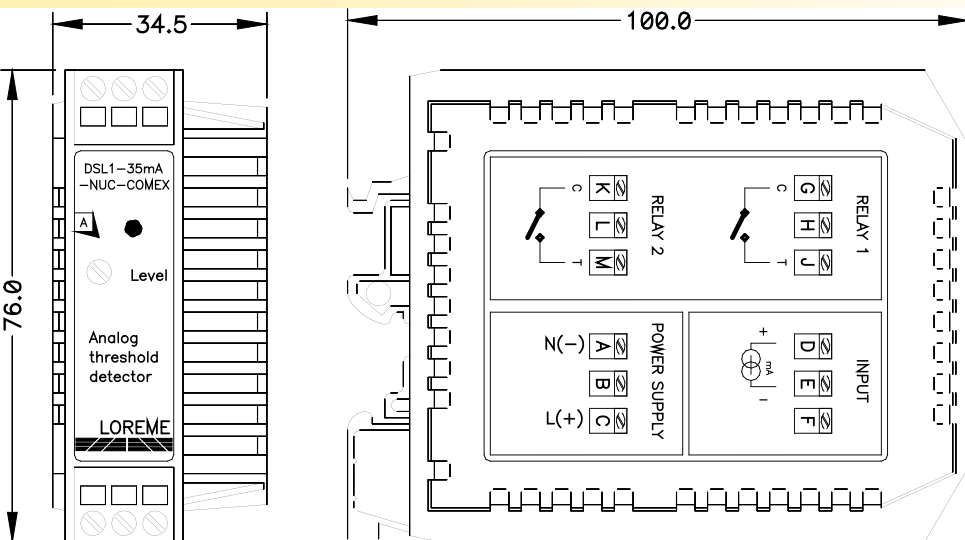


Standard version:  
**DSL1-35mA-LV-NUC**  
**DSL1-35mA-HV-NUC**  
 Changeover contact relays output.  
 The sense of threshold is selectable (high / low) with internal dip switch.  
 (under the lateral right cover)

switch 1, 2: on, switch 3, 4: off -->  
 Relay is activated below threshold

switch 1, 2: off, switch 3, 4: on -->  
 Relay is activated above threshold

Power supply:  
**DSL1-35mA-LV-NUC** voltage range : 20...85Vac/dc  
**DSL1-35mA-HV-NUC** voltage range : 85...265Vac/dc



COMEX version: **DSL1-35mA-NUC**

- The two output relay are activated when the measure (4-20mA input signal) is below the setting threshold.

N.O output contacts only

Power supply: 24Vdc typical (admissible from 19 to 29 Vdc)

