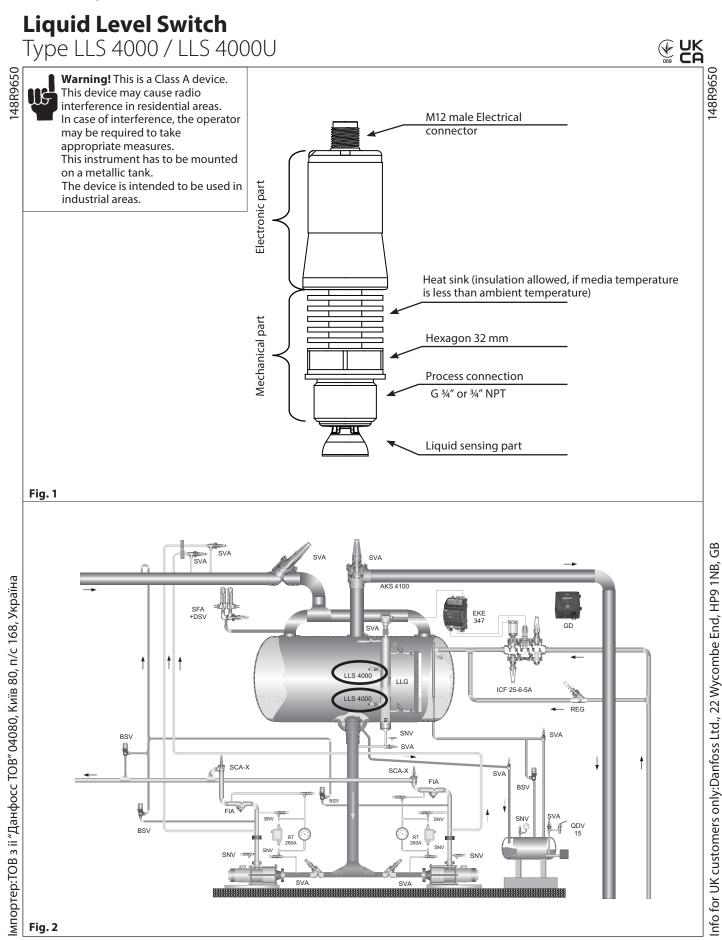
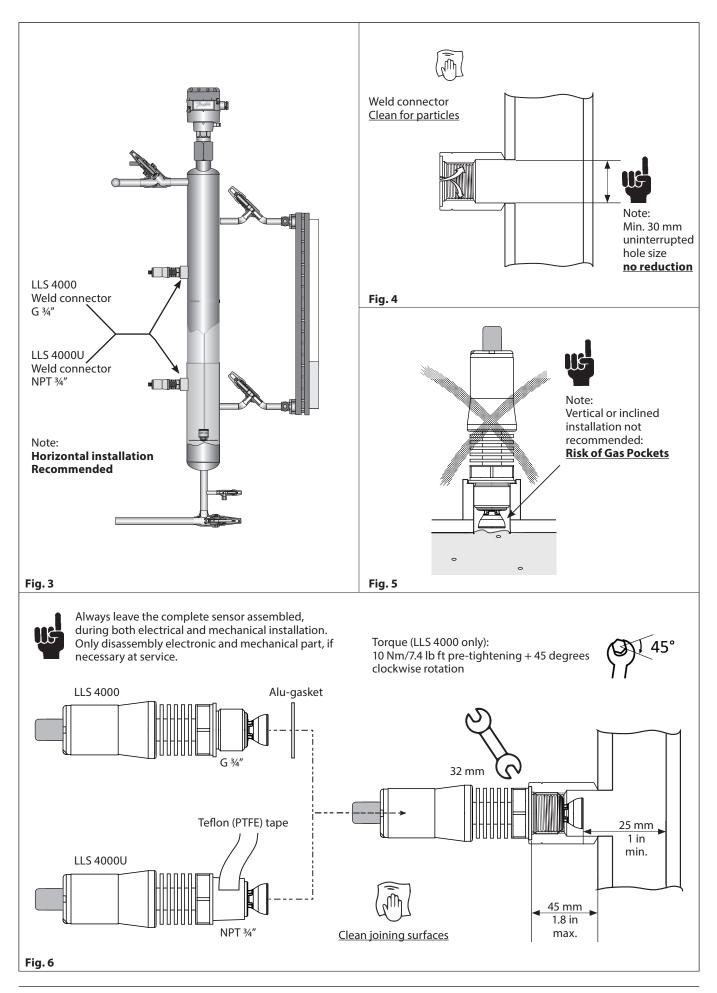


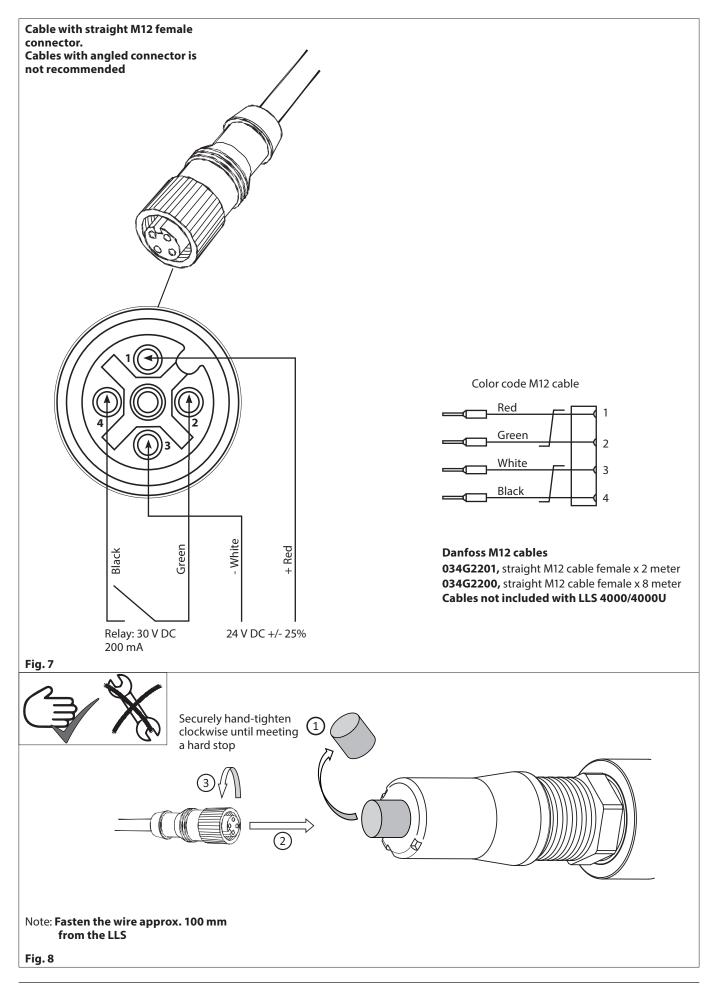
## Installation guide/Quick start



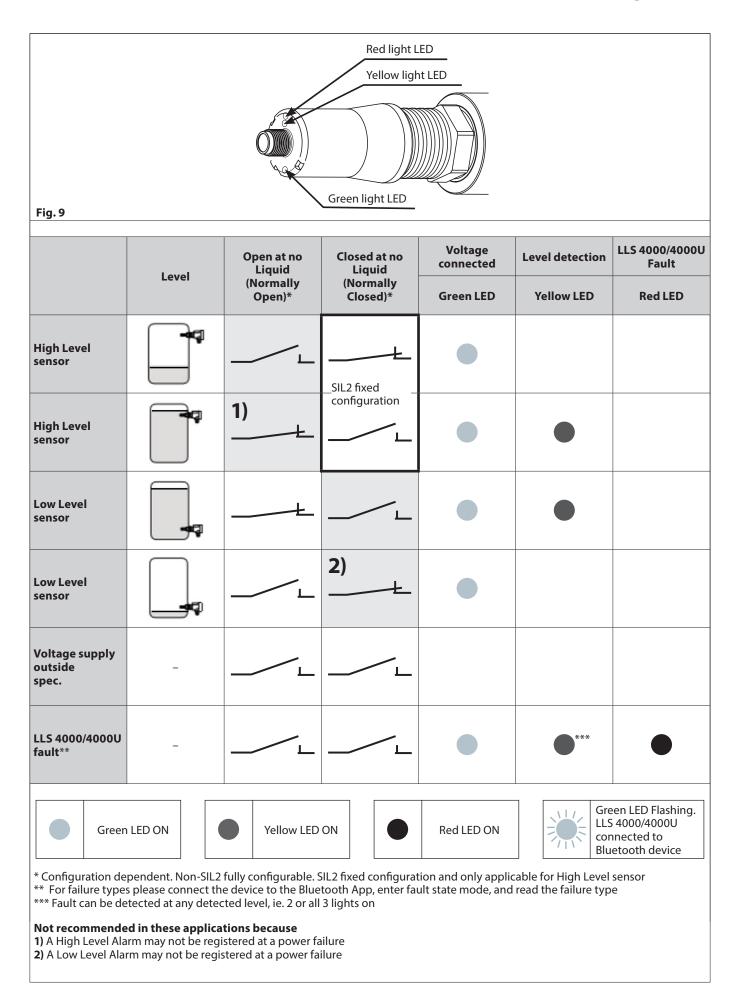
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## **General specifications**

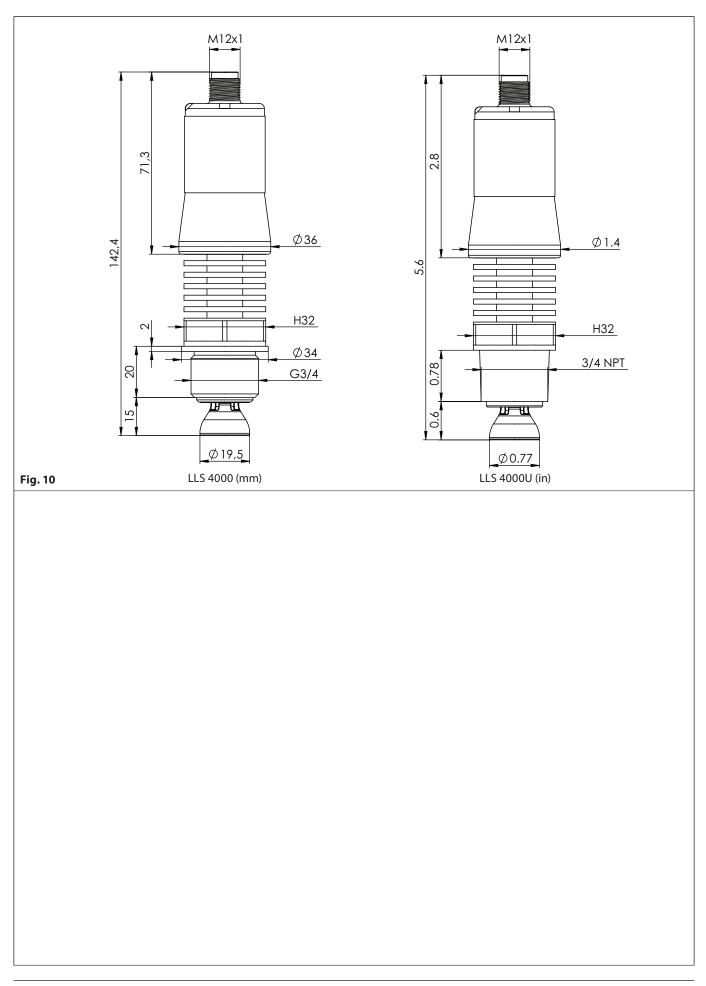
Electrical data		
Supply	24 V DC +/-25%, 80 mA Standard power supply of type: SELV (Safety Extra Low Voltage) with current limit of max. 8A.	
Relay (Solid state)	Max 30 V DC, 200 mA. Same power supply as to supply can be used. Observe: In applications with request for SIL2, another separate SELV power sup- ply may be needed. Min. cycles: 1.000.000 Default delay between detection and relay switching: PV02: 1 second; PV03: 2 seconds. Product Version number can be found on product label. Actual delay highly influenced by media viscosity and shall be validated before commissioning.	
Mechanical Data		
Max. medium viscosity	5000 cP (Un-detection is delayed up to 20 seconds)	
Max. working pressure	140 bar (2030 psi)	
Ambient temperature range	-40 °C to +65 °C (-40 °F to +149 °F)	
Medium temperature range	-50 °C to +120 °C (-58 °F to +248 °F). Observe restrictions on saturation temperature for approved medias	
Operating environment	Pollution degree 3, altitude 2000 max., outdoor use Relative humidity RH4 to RH99 % (IEC 60721-3-4: 1995 Class 4K4)	
Connection type	G ¾ in. or NPT ¾ in.	
Weight	350 g (0.77 lbs.)	
Approved media		
	Media	Saturation temperature range
	R717 (Ammonia)	-50 °C – +105 °C (-58 °F – +221 °F)
	R22 (HCFC)	-50 °C – +86 °C (-58 °F – +187 °F)
	R507A (HCFC)	-50 °C – +60 °C (-58 °F – +140 °F)
	R134a (HFC)	-50 °C – +91 °C (-58 °F – +196 °F)
Ammonia and listed H(C)FCs and HFOs.	R404A (HFC)	-50 °C – +63 °C (-58 °F – +145 °F)
<b>Note:</b> For other medias and mixed medias, please contact Danfoss.	R407A (HFC)	-50 °C – +72 °C (-58 °F – +162 °F)
	R410A (HFC)	-50 °C – +61 °C (-58 °F – +142 °F)
	R513A (HFC)	-50 °C – +83 °C (-58 °F – +181 °F)
	R1234ze(E) (HFO)*	-50 °C – +85 °C (-58 °F – +185 °F)
	PAO (Oil)**	Max 5000 cP and +120 °C (Max 5000 cP and +248 °F)
	POE (Oil)**	Max 5000 cP and +120 °C (Max 5000 cP and +248 °F)
	Mineral (Oil)**	Max 5000 cP and +120 °C (Max 5000 cP and +248 °F)
Approvals	CE: PED, EMC, RED, RoHS, LVD CRN SIL2 FCC IC EAC UA CMIIT ANATEL <sup>(1)</sup> NBTC <sup>(2)</sup>	

\* R1234ze(E) with POE oils (miscible)

\*\* When detecting oils in Ammonia, H(C)FC and HFO systems, the refrigerant gas temperature above the oil must be lower than 80 °C

- <sup>(1)</sup> Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL www.anatel.gov.br.
- <sup>(2)</sup> เครื่องโทรคมนาคมและอุปกรณ์นี้มีความสอดคลังตามมาตรฐานหรือข้อกำหนดทางเทคนิคของ กสทช. This telecommunication equipment conforms to the technical standards or requirements of NBTC.

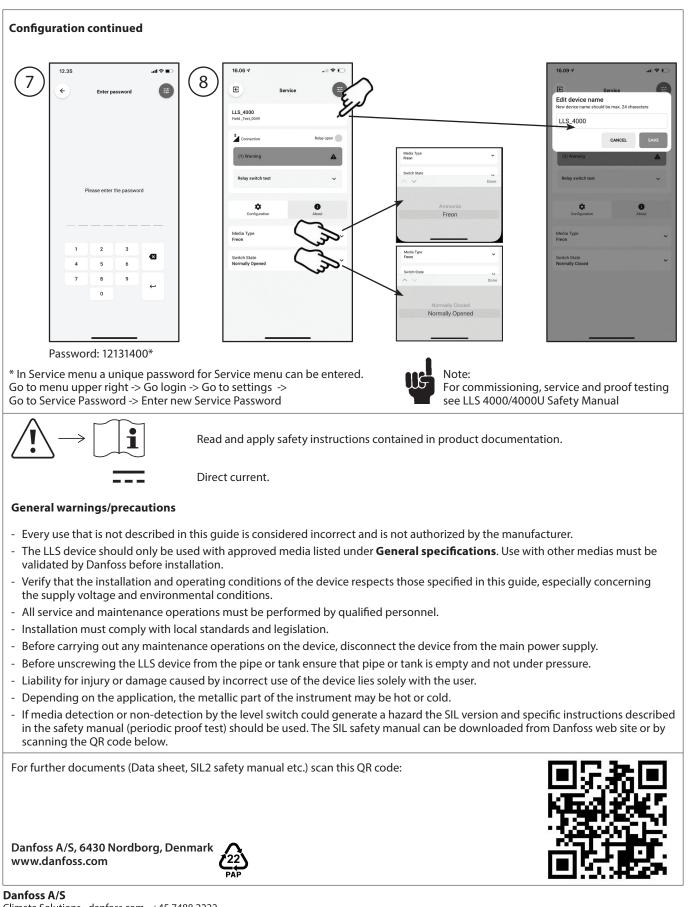




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