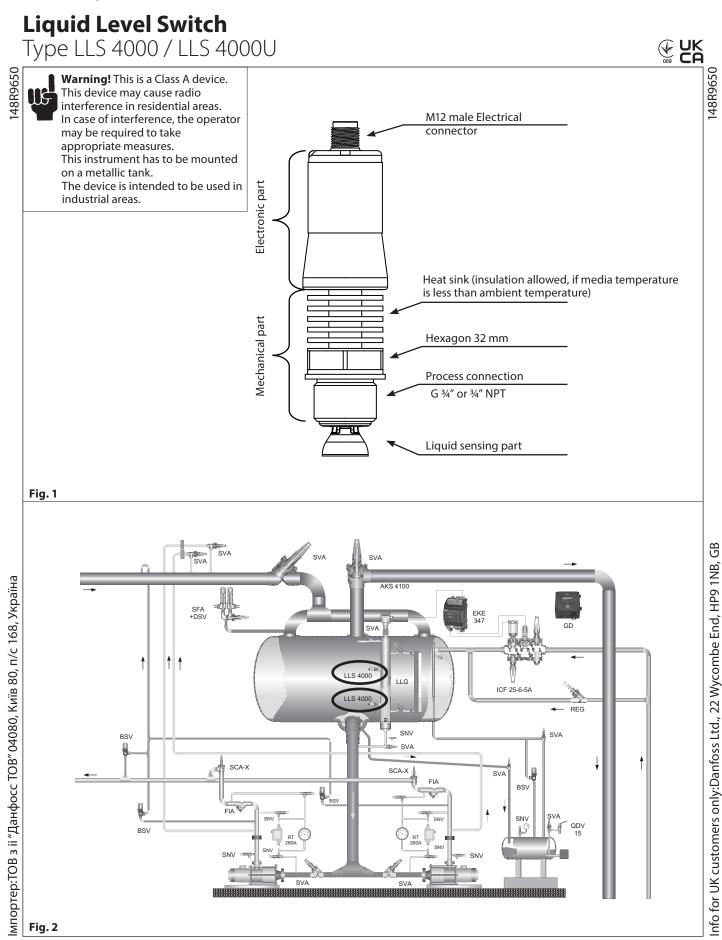
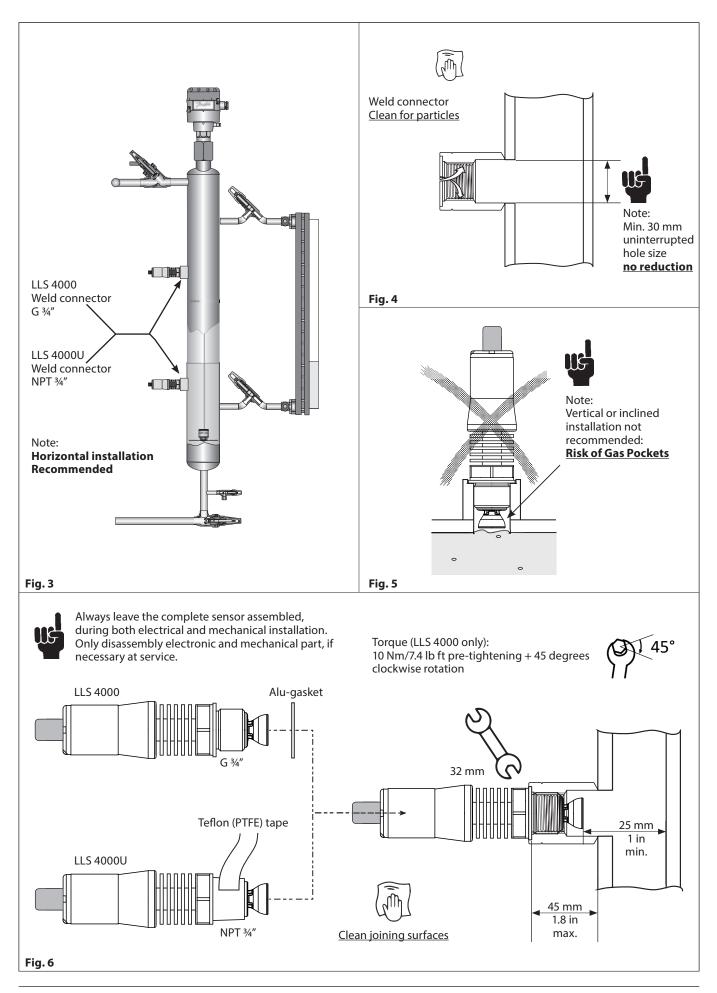


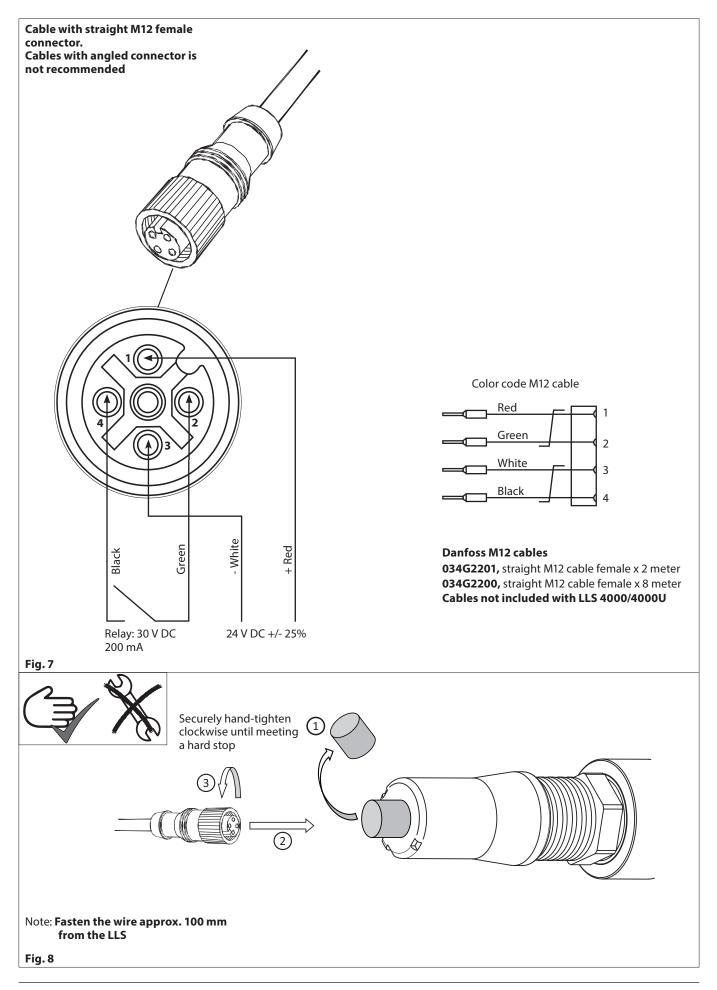
## Installation guide/Quick start



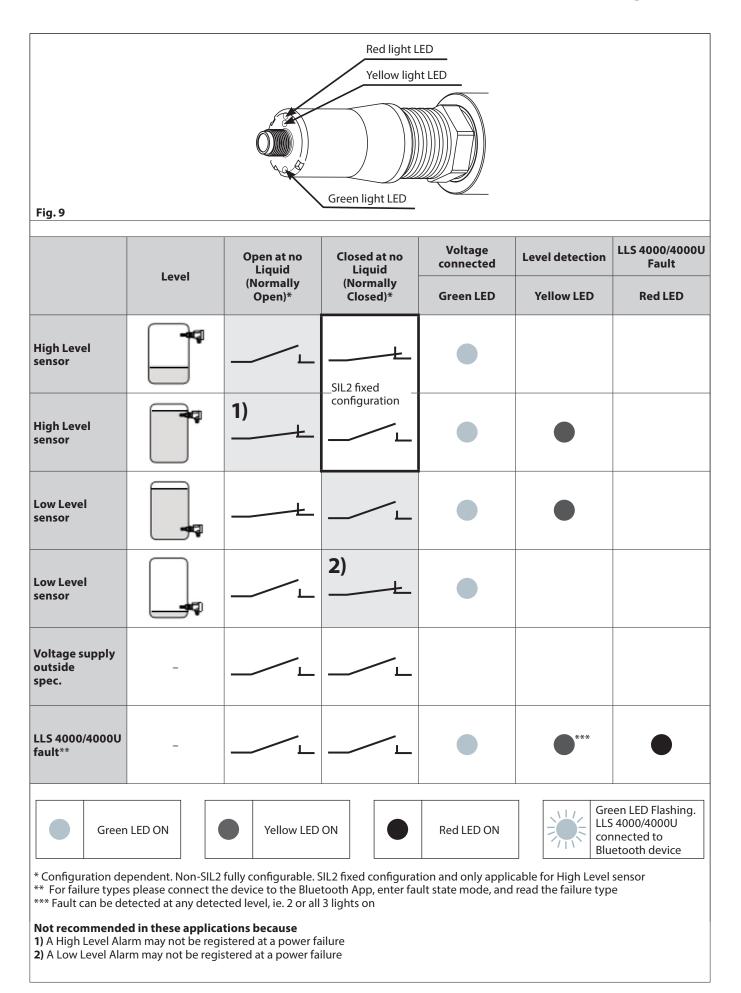
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## **General specifications**

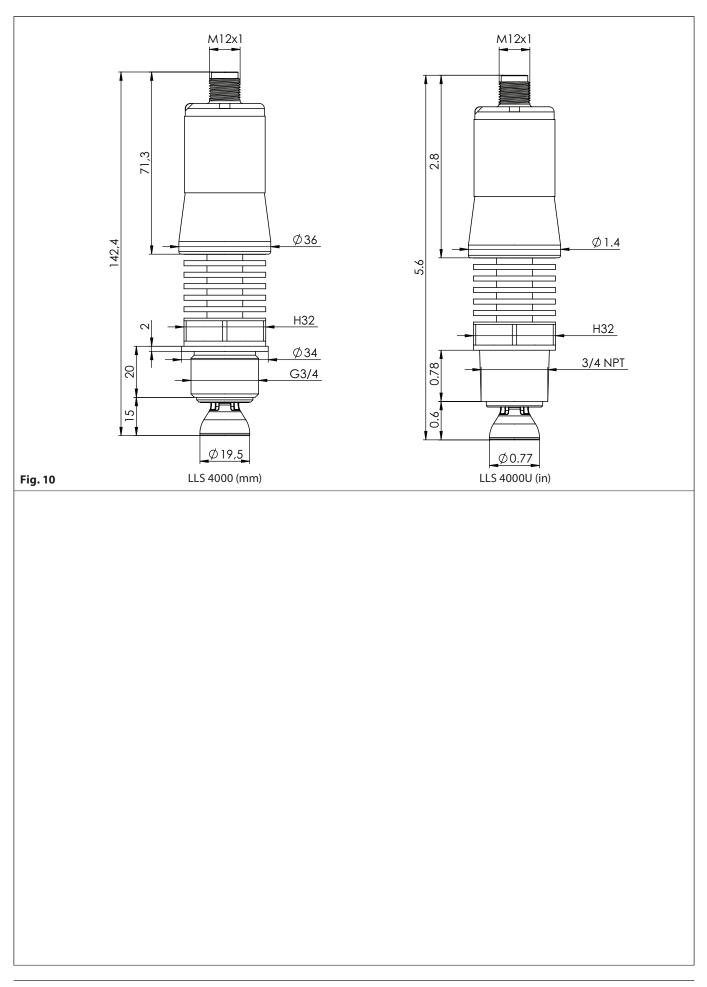
Electrical data		
Supply	24 V DC +/-25%, 80 mA Standard power supply of type: SELV (Safety Extra Low Voltage) with current limit of max. 8A.	
Relay (Solid state)	Max 30 V DC, 200 mA. Same power supply as to supply can be used. Observe: In applications with request for SIL2, another separate SELV power 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		ing.
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)

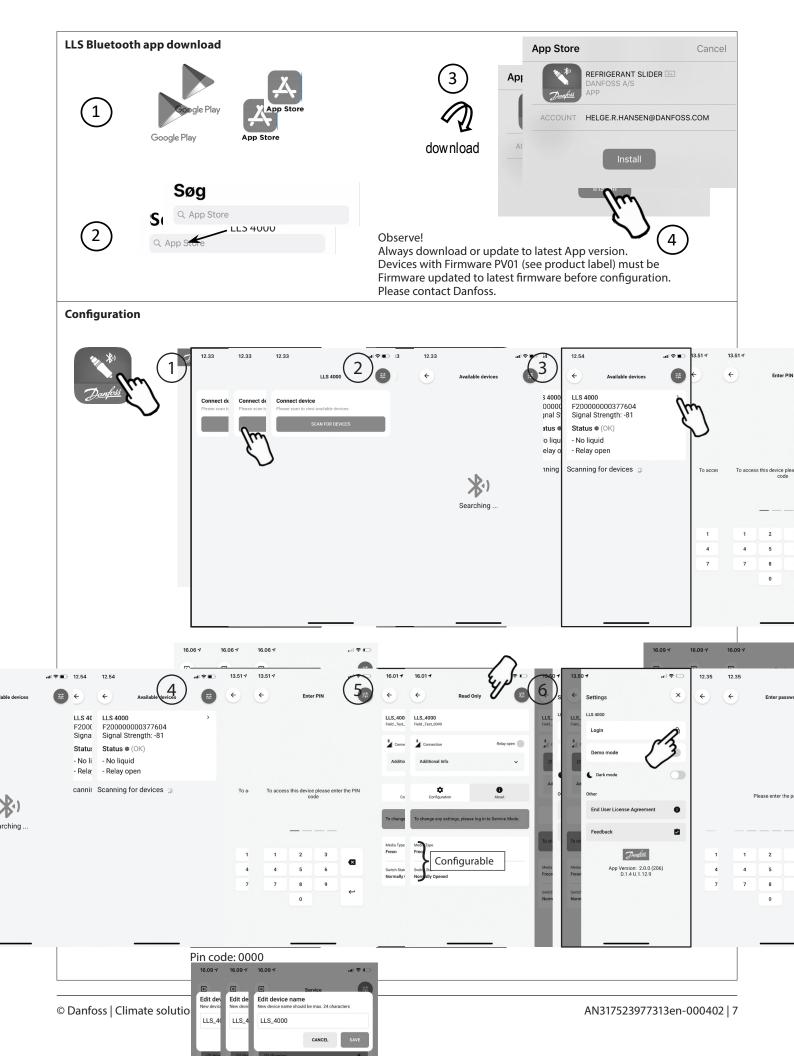
\*\* When detecting oils in Ammonia, H(C)FC and HFO systems, the refrigerant gas temperature above the oil must be lower than 80 °C

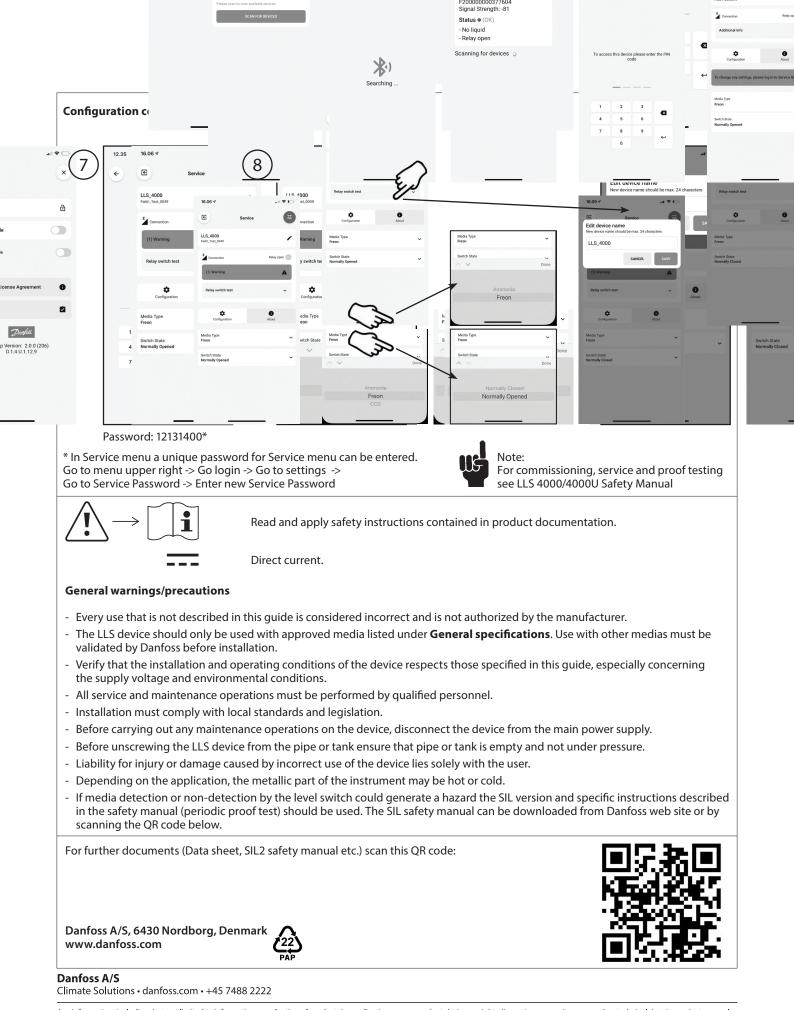
- <sup>(1)</sup> Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL www.anatel.gov.br.
- <sup>(2)</sup> เครื่องโทรคมนาคมและอุปกรณ์นี้มีความสอดคลังตามมาตรฐานหรือข้อกำหนดทางเทคนิคของ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











Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.