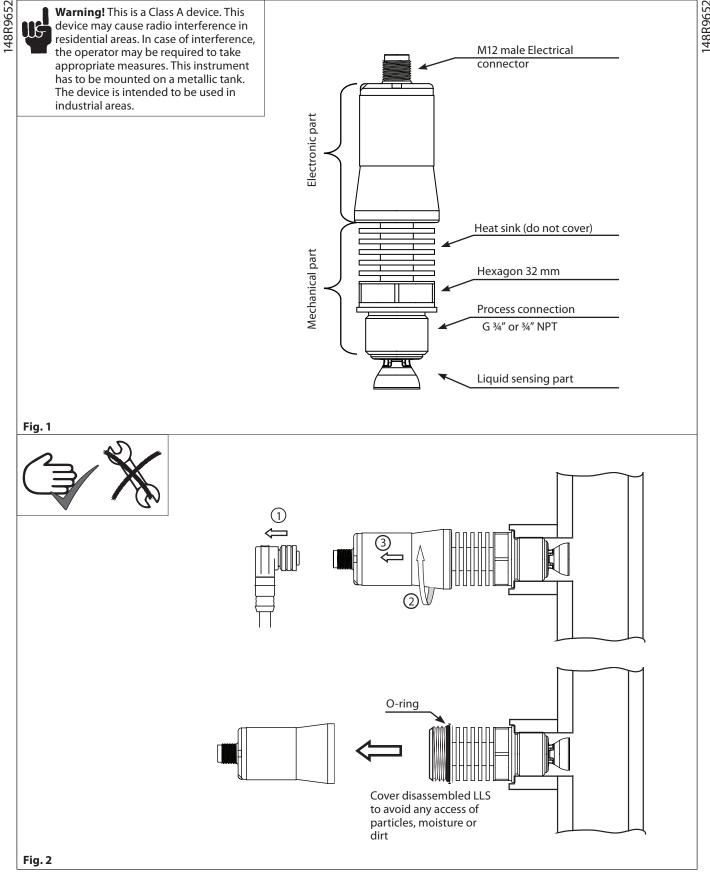
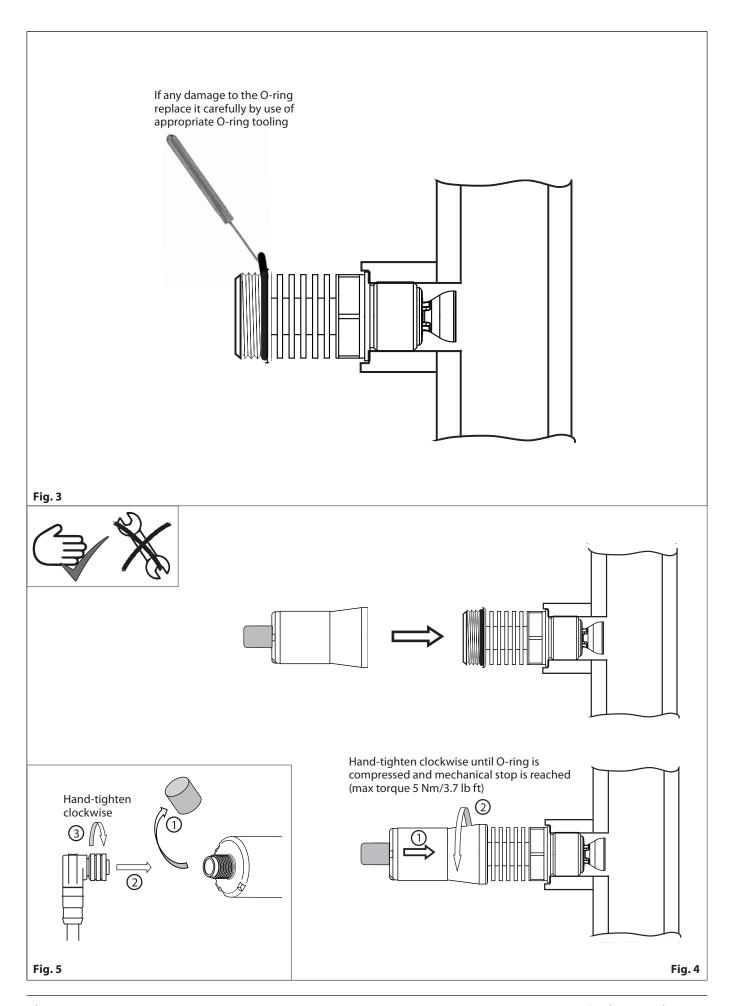


Installation guide/Electronic part replacement (non-SIL devices only)

Liquid Level Switch Type LLS 4000 / LLS 4000U









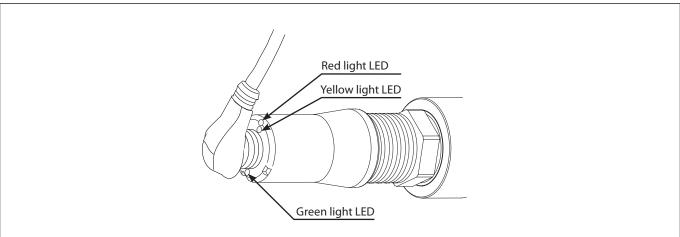
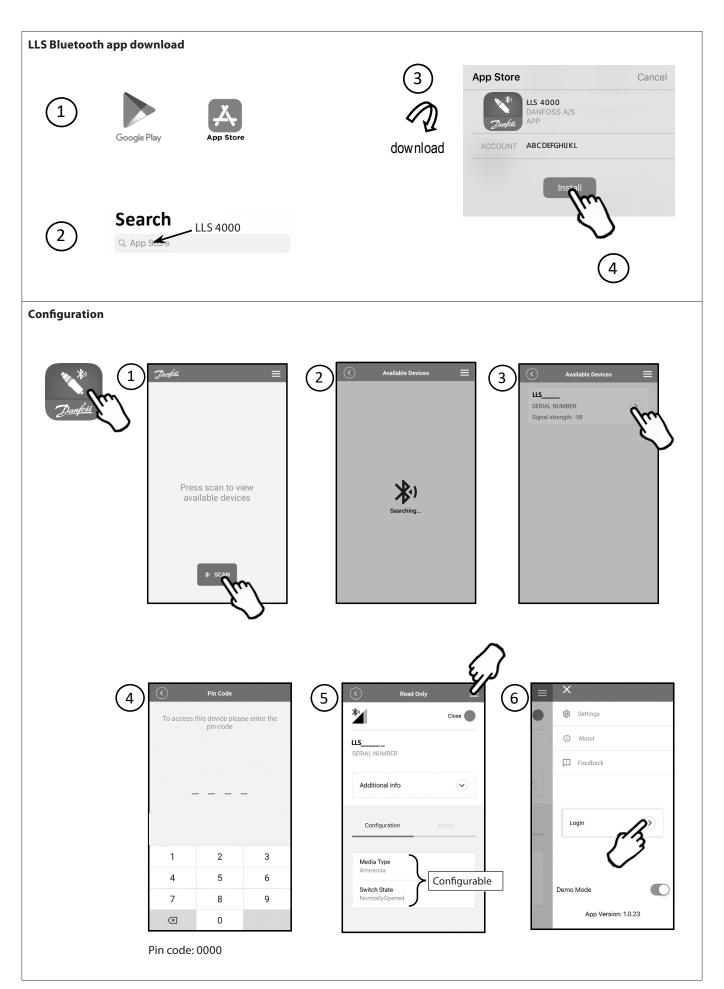


Fig. 6	5
--------	---

	Level	LLS 4000/4000U NO mode*	LLS 4000/4000U NC mode*	Voltage connected	Level detection	LLS 4000/4000U Fault	
	Level			Green LED	Yellow LED	Red LED	
High Level sensor							
High Level sensor			configuration		•		
Low Level sensor					•		
Low Level sensor							
Voltage supply outside spec.	-						
LLS 4000/4000U fault**	-				***	•	
Green	LED ON	Yellow LED	ON	Red LED ON	LLS	en LED Flashing. 4000/4000U inected to etooth device	

^{*} Configuration dependent. Non-SIL2 fully configurable. SIL2 fixed configuration and only applicable for High Level sensor ** For failure types please connect the device to the Bluetooth App, enter fault state mode, and read the failure type *** Fault can be detected at any detected level, ie. 2 or all 3 lights on

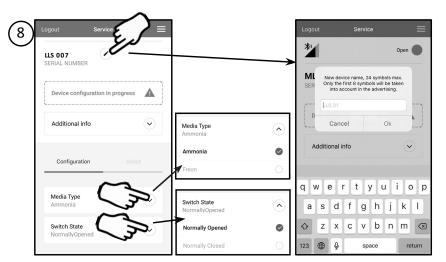






Configuration continued

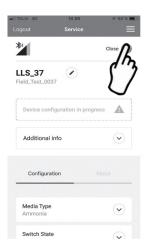




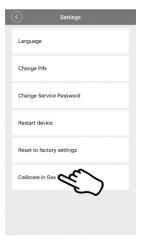
Password: 121314 In Service menu a unique password for Service menu can be entered.

- Go to menu upper right
- Go login
- Go to settings
- Go to Service Password
- Enter new Service Password

Calibration (To be performed after replacement of Electronic part and always with LLS sensor head in gas phase)





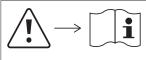












Read and apply safety instructions contained in product documentation.

Danfoss A/S, 6430 Nordborg, Denmark

www.danfoss.com

Direct current.

General warnings/precautions

- Instructions in this document should only be used for electronic part replacement. For device installation refer to Installation guide/Quickstart document.
- LLS4000/U electronic part replacement is not allowed on SIL device version.
- LLS4000/U electronic part should only be used as spare part of LLS4000/U liquid level switch.
- Every use that is not described in this guide is considered incorrect and is not authorized by the manufacturer.
- If any changes regarding installation, media or operating conditions of the device have been done then refer to Installation guide/Quickstart document and verify respect of specified values.
- All service and maintenance operations must be performed by qualified personnel.
- Installation must comply with local standards and legislation.
- Before carrying out any maintenance operations on the device, disconnect the device from the main power supply.
- Before unscrewing the LLS device from the pipe or tank ensure that pipe or tank is empty and not under pressure.
- Liability for injury or damage caused by incorrect use of the device lies solely with the user.
- Depending on the application, the metallic part of the instrument may be hot or cold.
- If media detection or non-detection by the level switch could generate a hazard the SIL version and specific instructions described in the safety manual (periodic proof test) should be used. The SIL safety manual can be downloaded from Danfoss web site or by scanning the QR code below.

For further documents (Installation guide, Data sheet, etc.) scan this QR code:

(22) PAR

