

Lilaas control lever – LF90

Lilaas offers a wide range of high quality type approved multipurpose levers for single/double propulsion and thuster control.

Below you will find a simple technical description of various basic LF90 models.



On single thruster controls the aft handle and attached mechanics are removed.

On single propulsion controls the left handle and attached mechanics are removed.

Specification details basic versions

Materials / Finish	Steel A2, Al, POM, alodine, powder coating
Weight (net)	0,6 - 0,9 kg
Movement, handle / electrical	± 60° / 300°
Detent	In zero
Potentiometers	Single 5 kΩ, linear
Termination	16 pins contact with plug
Integrated scale light	28V, bulb
IP grade	With panel plate, 66
Type approval: EN/IEC 60945, ABS, BV, DNV, GL, KR, LR, NK, RINA, RS, CRS	
For standard scales, external dimensions and cut-out, see page 2. For customization and options see page 3.	

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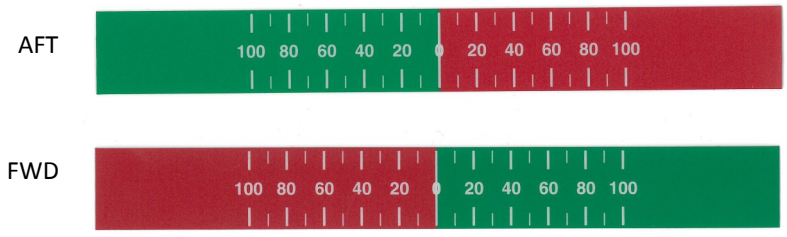
Bank no: 2450.05.05628, NO917 748 446 MVA, E-mail : sales@lilaas.no

Certified according to NS-EN ISO 9001:2008

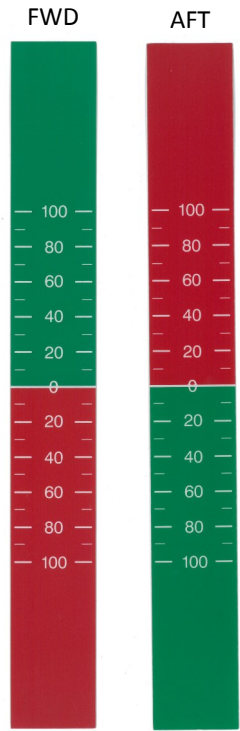
For more info, see our website <http://www.lilaas.no/>

Lilaas standard scales for LF90 control levers:

Thruster scales



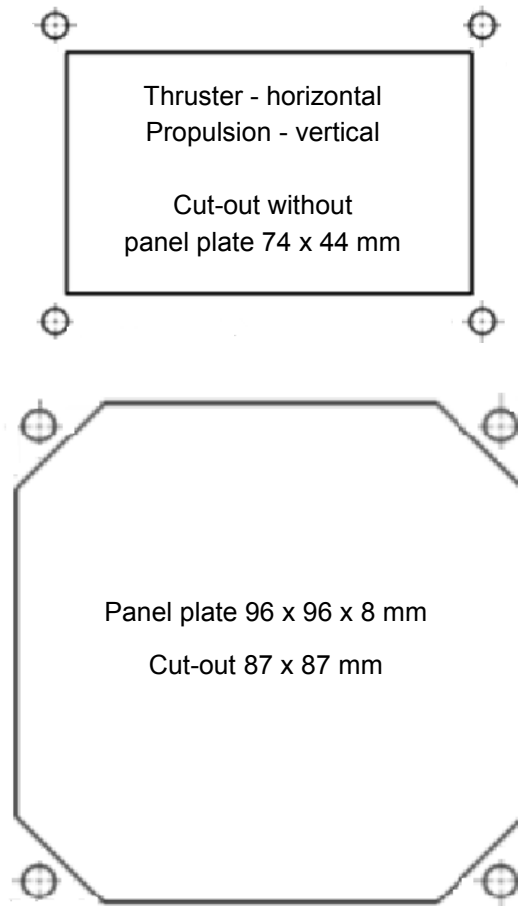
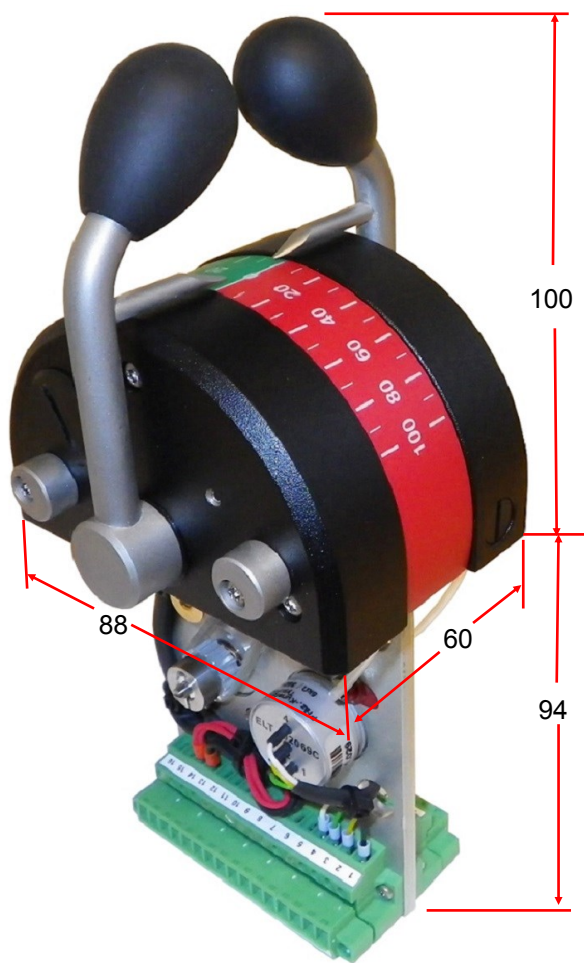
Propulsion scales



Text: Helvetica medium, colour Marabu NCS-S 1500-N, id no. 449 offwhite.
 Background colours: Green - Marabu SR 1616, id no. 221.
 Red - Marabu SR 1323, id no. 248.
 Scale light: 24V bulbs.

The potentiometer is of a plastic conductive type measuring 5 kΩ between the end points. The potentiometer must be used as a voltage divider and not as a rheostat. Wiper current must not exceed 1 mA.

LF90, external dimensions and cut-out



Lilaas LF120 and LF180 are larger versions of this controller.

Panel plate is standard on motorized controllers. Vertical dimensions motorized controller: 108 mm above and 92 mm below console panel.

Lilaas LF90 basic models:

Propulsion single FWD LF90S-01-01 	Propulsion double FWD LF90D-01-04 	Thruster single FWD LF90S-01-09 	Thruster double FWD LF90D-01-03 
Propulsion single AFT LF90S-01-103 	Propulsion double AFT LF90D-01-63 	Thruster single AFT LF90S-01-16 	Thruster double AFT LF90D-01-05 

Do you need an extended version? To simplify the customization process, please fill in your request to Lilaas in the *Spec your request* form below and forward it to: sales@lilaas.no

We will revert with price and availability.

Spec your request		
Options, other than standard	Yes	Description
Panel plate 96 x 96 mm		
Panel plate custom		
Handle / shaft		
Handle interlock straight handle		
Limited handle movement		
Scale		
Potentiometer		
Detents		
Springloaded return		
Micro switch		
Motorized		
EI shaft		
Other		

Specification from:	Contact person:
Company:	E-mail:
	Telephone:



Lilaas AS is a world leading manufacturer of various types of control levers and joysticks for marine and offshore use.

As a result of unique design, top-grade materials and thorough test procedures, we produce products of high quality that requires a minimum of service and maintenance.

The control units from Lilaas include levers, controlling mechanism and accompanying electronics.

The products range from simple, one-axis control levers in different sizes, hand wheels and rudder controls to azimuth control units and multi-axis joysticks.

All units may be delivered motorised on all axes and with several optional features. The products comply with stringent certification requirements.

All kinds of vessels, from small fishing boats and ferries, via supply vessels to large tankers and cruise ships may be manoeuvred by control levers from Lilaas.

The products are certified by DNV and the company is certified under NS-EN ISO 9001-2008.

Lilaas AS

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