

ELECTRIC ACCESSORIES

The range of accessories consists of a large selection of products to control windlass operations. All products are designed and built to guarantee perfect and reliable operation in the marine environment. Lofrans' Accessories are manufactured to the highest quality for reliability and safety, conforming to EC regulations covering electromagnetic compatibility (89/336/CEE). They are tested by official organizations for compliance to regulations and are CE marked.

For a windlass to function properly you will need to install:

- The **control box** unit which is supplied as standard, is made up of two solenoids included in a watertight box with an IP56 rating. Connecting the remote control to the control box is easily done by simply plugging the wiring onto the control box
- The **circuit breaker**, which offers three functions:
 - Protection from short circuit
 - Protection of the electric motor from current overload
 - Voltage interruption when the anchor windlass needs to be switched off. The circuit breaker is installed on a panel and has an LED indicator.
- One or more electric controls which can be connected in parallel.

IRIS

CHAIN COUNTER



GALAXY 102

HAND HELD CONTROL



Panel Chaincounter IRIS

This fly bridge chain counter IRIS is a technologically advanced instrument with an elegant and ergonomic design makes it suitable for all types of boat cockpits. IRIS is supplied with an evolved microprocessor, with different operations allowing an optimum anchoring.

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight levels of contrast
- Six language menu (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection

Code	600017
Command transmission	Wire
Number of button	3
Voltage	12 - 24V _{dc}
Operative temperature	-10 : 60
IP protection rated*	67
Max contacts amperage (A)	2
Weight (gr)	500
Dimension (mm)	110x105x15 (5 flat version)

* When installed

Hand Held Control GALAXY 102

This hand held remote control model GALAXY 102 has an elegant and functional design. The soft rubber case, which covers sideways the remote control, allows a safe and handy taking under any condition.

This hand held remote control is rated with IP66 and supplied with waterproof plug and socket rated IP67. The extending flexible cable (approximately 4 metres) gives the maximum freedom on board during anchoring manoeuvring.

- Inversion polarity protection
- Parallel connection
- 2 buttons (up-down)

Code	600013
Command transmission	Wire
Number of button	2
Voltage	12 - 24V _{dc}
Operative temperature	-10 : 60
IP protection rated	66
Max contacts amperage (A)	2
Weight (gr)	580
Dimension (mm)	155x65x45

GALAXY 703

CHAIN COUNTER



GALAXY 503

CHAIN COUNTER



Radio Control Chaincounter GALAXY 703

Without cable ties, plug or panels and with load always perfect by rechargeable battery, the radio chain counter GALAXY 703 gives finally all the freedom of manoeuvres and the comfort of reading in the anchoring operations.

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight level of contrast
- Six language menu (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection

Hand Held Remote Control Chaincounter GALAXY 503

This remote chain counter model GALAXY 503 has been specifically designed to give the full control in anchoring. It's a reliable and practical instrument, technologically advanced, specifically design for use in marine environments. The external casing, rated with IP66 and supplied with waterproof plug and socket rated IP67. The extending flexible cable (approximately 4 metres) gives the maximum freedom on board during anchoring manoeuvring. Provided with an evolved microprocessor that offers a series of advantages for full control of the anchoring.

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight level of contrast
- Six language menu (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection

Code	600016
Command transmission	Remote
Number of button	3 (Transmitter)
Voltage	12 - 24V _{dc} (Receiver)
Operative temperature	-10 : 60
IP protection rated*	66 (Transmitter)
Max contacts amperage (A)	2 (Receiver)
Weight (gr)	480
Dimension (mm)	155x65x45 (Transmitter)

Code	600015
Command transmission	Wire
Number of button	3
Voltage	12 - 24V _{dc}
Operative temperature	-10 : 60
IP protection rated*	66
Max contacts amperage (A)	2
Weight (gr)	710
Dimension (mm)	155x65x45

Radio Remote Control

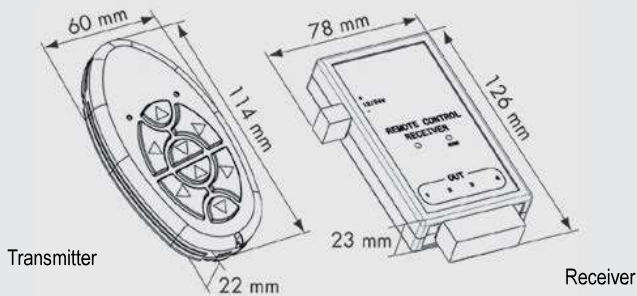


Mini Remote Control



Lofrans' radio remote control is designed to work with our range of windlasses. The remote control can also be used to operate other onboard equipment such as thrusters, passerelles, cranes, etc.

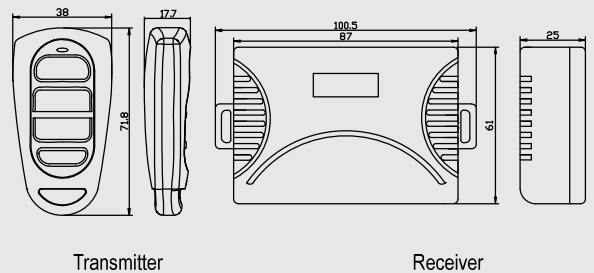
- Transmitter rated IP67
- Supports up to 8 independently controlled channels
- Each receiver can switch 4 channels (12/24 V - 2 A)
- Each transmitter can handle 2 receivers (8 channels)
- Digital recognition avoids accidental activation of other system
- Zero power consumption when in standby mode (transmitter)
- Easy to install and set up, simple to use



Code	312976	312977
Description	Transmitter & Receiver (EU)	Transmitter & Receiver (USA)
Frequency	868 MHz	915 MHz
Number of button	8 (Transmitter)	
Voltage	12 - 24V _{dc} (Receiver)	
Operative temperature	-10 : 60	
IP protection rated	67 (Transmitter)	
Max contacts amperage (A)	2 (Receiver)	
Weight (gr)	310	
Dimension (mm)	114x60x22(transmitter) / 126x78x23(receiver)	

*** 868 MHz is the authorised frequency for Europe and Australia. 915 MHz is the authorised frequency for Canada and the USA. Retail sales and use of non-authorised frequency transmitters and receivers is prohibited. For all other countries please consult the local regulation in force.*

- Easy to install and setup, simple to use.
- Small form factor makes it ideal to carry it anywhere on-board.
- Supports up to 4 independently control channels (12/24V - 10A).
- Zero Power consumption when in standby (transmitter)
- Transmitter rated IP 67



Code	636305
Description	Transmitter & Receiver (EU/USA)
Frequency	433 MHz
Number of button	4
Voltage	12 - 24V (Receiver) 3V (Transmitter)
Operative temperature	-10 : 60
IP protection rated	IP 67
Max contacts amperage (A)	10
Weight (gr)	31 (Transmitter) / 95 (Receiver)
Dimension (mm)	71,8x38x17,7 (Transmitter) / 100,5x61x25 (Receiver)

Foot switch

This device is a switch which works simply pushing the foot on the button. The base is in stainless steel while the cover to prevent accidental engagement is in composite. The button is in special marine rubber able to withstand UV ray and the marine environment. Available in UP and DOWN version



Code	600012	600011	602121
Description	Black / Grey	Red / Grey	Blue / WASH DOWN
Voltage	12 - 24V _{dc}		
Operative temperature	-10 : 60		
IP protection rated	67		
Max contacts amperage (A)	5		
Weight (gr)	100		
Dimension (mm)	80x95x20		



new INOX Foot switch

This device, made by marine stainless steel (INOX), is a switch that works simply by pushing the foot on the button.



Code	636075	636074
Description	Black / INOX	Red / INOX
Voltage	12 - 24V _{dc}	
Operative temperature	-10 : 60	
IP protection rated	67	
Max contacts amperage (A)	5	
Weight (gr)	250	
Dimension (mm)	80x95x20	

Control Box Solenoids for DC

The Control Box is an electric unit made up of two remote control switches enclosed inside a special container which protects it from marine corrosion. The entire unit has been designed with a view to simplifying and speeding up the various electrical connections. For this purpose there is no need to open and/or pierce the container, as all the terminals and the panel for the electrical connections are perfectly accessible from the outside. Outer construction in self-extinguishing polyester resin, resistant to shock and marine corrosion. Degree of protection IP 56 - protection against deckwater.



Code	600018	600019	600020	602590	600021	600022	602587
Number of terminals	3	3	3	4	4	4	4
Power	12 V	24 V	24 V	12 V	12 V	24 V	24 V
Motor Size	500-1700 W	500-1700 W	1700-2300 W	500-700 W	1000-1700 W	500-1700 W	3500 W



* Wiring diagrams depending on configuration and number of terminals (see page 63)