

MECHANICAL ENGINE REMOTE CONTROLS

All remote controls (except type AFST) have a neutral safety switch as standard, which prevents the engine from being started when the gearbox is engaged. Controls which are shown with a red knob are also supplied with a black knob as standard.

Type SISCO - single lever

With stainless steel (AISI 316) handle and housing

VETUS single lever remote control for side mounting. The push-pull cables can be installed horizontally or vertically.

Type	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth from centre (mm)
SISCO	142	122	85	200	243
SISCOG	142	122	85	200	243



SISCO

SISCOG

Type SICO - single lever

With stainless steel (AISI 316) handle and plastic housing

VETUS single lever remote control for side mounting.

Type	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth from centre (mm)
SICO	147	127	85	200	243
SICOG	147	127	85	200	243



SICO

SICOG

Type RCTOPS - single lever

With high-gloss polished stainless steel (AISI 316) handle and housing

VETUS single lever remote control for top mounting.

Type	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth (mm)
RCTOPS	162	104	237	200	208
RCTOPSG	162	104	237	200	208



RCTOPS

RCTOPSG

Type RCTOPTS - twin lever

With high-gloss polished stainless steel (AISI 316) handles and housing

VETUS twin lever remote control for top mounting.

Type	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth (mm)
RCTOPTS	162	200	237	200	208
RCTOPTSG	162	200	237	200	208



RCTOPTS

RCTOPTSG

MECHANICAL ENGINE REMOTE CONTROLS

Type RCTOPTB - twin lever

With cast aluminium housing and stainless steel (AISI 316) handles

VETUS twin lever remote control for top mounting

Type	Length (mm)	Width (mm)	Height (mm)	Mechanism depth (mm)
RCTOPTB	162	200	237	208
RCTOPTBG	162	200	237	208



RCTOPTB



RCTOPTBG

Type RCTOPB - single lever

With cast aluminium housing and stainless steel (AISI 316) handles

VETUS single lever remote control for top mounting

Type	Length (mm)	Width (mm)	Height (mm)	Mechanism depth (mm)
RCTOPB	162	104	237	208
RCTOPBG	162	104	237	208



RCTOPB



RCTOPBG

Black/silver plastic housings with black metal and plastic levers

(Without neutral safety switch)

Type AFSTTOPT

VETUS twin lever control for top mounting with plastic housing and handle. Top mounting for 2 engines.

Type AFSTTOP

VETUS single lever control for top mounting with plastic housing and handle. Top mounting for 1 engine.

Type	Length (mm)	Width (mm)	Height (mm)
AFSTTOPT	154	208	238
AFSTTOP	154	118	238



AFSTTOPT



AFSTTOP

Type AFSTZIJ

This side mount engine control can be used with mechanically controlled engines from 12 - 110 hp. The AFSTZIJ should be mounted in reach of the vessel's helm on either port or starboard side.

The mechanical part of the lever is made of painted zinc, finished with a plastic housing and an ergonomically shaped rubber grip. The AFSTZIJ works with push/pull cables and features an integrated safety mechanism to protect the transmission. The gearbox can only be shifted at idling speed. The AFSTZIJ is the ideal engine control for sailing boats.

Type	Length (mm)	Width (mm)	Height (mm)
AFSTZIJ	138	110	78



AFSTZIJ



ELECTRONIC ENGINE REMOTE CONTROL

Type EC4

High quality with the latest technology

This high quality electronic engine control lever is made of high-grade stainless steel (AISI 316) with hand-polished stainless steel (AISI 316) casing and is suitable for power and sailing yachts. It can operate 1 or 2 engines and has multiple helm station possibilities with identical controls at all helm stations. The communication goes via CAN-bus protocol. The EC4 is easy to install and configure and meets the EMC requirements as standard.

Characteristics

- Available for 12 and 24 Volt
- Waterproof (IP67)
- Suitable for mechanically controlled engines, combination mechanical / electronic engine control or fully electronic engine control
- Suitable for mechanical or hydraulic gearboxes and stern drives

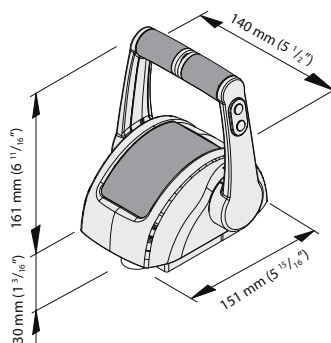
Optional

Trolling valve control, trim tab or bow thruster control.



EC4

Type	Length (mm)	Width (mm)	Height (mm)	Engines
EC4H1	151	140	161	1 (left handle)
EC4H1R	151	140	161	1 (right handle)
EC4HT1	151	140	161	1 with trim control
EC4H2	151	140	161	2
EC4HT2	151	140	161	2 with trim control

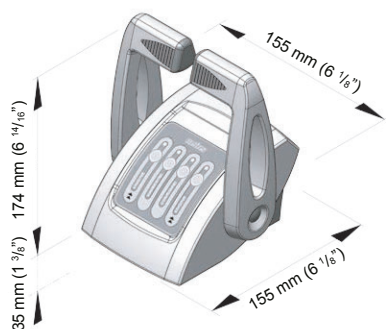


This engine control can be used with electrical and / or mechanical controlled diesel engines and gearboxes. Ask your dealer for more information.

Type EC3

The housing of the EC3 model is made from composites. All other technical specifications are the same as the EC4.

Type	Length (mm)	Width (mm)	Height (mm)	Engines
EC3H1	155	155	174	1
EC3HT1	155	155	174	1 with trim control
EC3H2	155	155	174	2
EC3HT2	155	155	174	2 with trim control



EC3

Selection table



EC3 / EC4 Electronic motor control system			1 Engine	2 Engine	1 Engine	2 Engine	1 Engine	2 Engine	1 Engine	2 Engine	Optional
Control method: first position=Throttle, Second position = Gear actuation M = mechanical, E = Electrical			M/M	M/M	M/E	M/E	E/E	E/E	E/M	E/M	Per extra control head Max. total units = 4
EC3 Composite control head 1 engine	EC3H1		O = 1		O = 1		O = 1		O = 1		+1/+2/+3
EC3 Composite control head 1 engine + Trim buttons	EC3HT1		O = 1		O = 1		O = 1		O = 1		+1/+2/+3
EC3 Composite control head twin engines	EC3H2			O = 1		O = 1		O = 1		O = 1	+1/+2/+3
EC3 Composite control head twin engines + Trim buttons	EC3HT2			O = 1		O = 1		O = 1		O = 1	+1/+2/+3
EC4 Stainless steel control head 1 engine	EC4H1/ EC4H1R (right)		O = 1		O = 1		O = 1		O = 1		+1/+2/+3
EC4 Stainless steel control head 1 engine + Trim buttons	EC4HT1		O = 1		O = 1		O = 1		O = 1		+1/+2/+3
EC4 Stainless steel control head 2 engines	EC4H2			O = 1		O = 1		O = 1		O = 1	+1/+2/+3
EC4 Stainless steel control head 2 engines + Trim buttons	EC4HT2			O = 1		O = 1		O = 1		O = 1	+1/+2/+3
Electronic control box for full mechanical control	12 +24V	EC3UMM1	1	2	x	x	x	x	x	x	
Electronic control box for full mechanical control and trim	12+24V	EC3UMMT1	1	2	x	x	x	x	x	x	
Electronic control box for mechanical motor and electrical gear	12+24V	EC3UME1	x	x	1	2	x	x	x	x	
Electronic control box for 2 mechanical motor and electrical gear	12+24V	EC3UME2	x	x	x	1	x	x	x	x	
Electronic control box for mechanical motor and electrical gear and trim	12+24V	EC3UMET1	x	x	1	2	x	x	x	x	
Electronic control box for 2 mechanical motor and electrical gear and trim	12+24V	EC3UMET2	x	x	x	1	x	x	x	x	
Electronic control box for mechanical motor and electrical gear and trolling	12+24V	EC3UMETR1	x	x	1	2	x	x	x	x	
Electronic control box for full electric control and trim	12V	EC312EE	x	x	x	x	1	1	x	x	
Electronic control box for full electric control and trim	12V+24V	EC3UEE	x	x	x	x	1	1	x	x	
Electronic control box for full electric control and trolling	12+24V	EC312EET	x	x	x	x	1	1	x	x	
Electronic control box for electric motor control and mechanical gear	12V	EC312EM1	x	x	x	x	x	x	1	2	
Electronic control box for electric motor control and mechanical gear and trim	12V	EC312EMT1	x	x	x	x	x	x	1	2	
Electric throttle cable universal L=3M		EC3E3U	x	x	x	x	O = 1	O = 2	O = 1	O = 2	
Electric throttle cable for VF engine L=3M		EC3E3M	x	x	x	x	O = 1	O = 2	O = 1	O = 2	
Electric gear cable L=3M (12V only boxes 3 wires)		EC3G3M	x	x	O = 1	O = 2	O = 1	O = 2	x	x	***
Electric gear cable L=3M (12V+24V boxes 6 wires)		ECG3/6	x	x	O = 1	O = 2	O = 1	O = 2	x	x	
Electric gear cable L=5M (12V+24V boxes 6 wires)		ECG5/6	x	x	O = 1	O = 2	O = 1	O = 2	x	x	
Electric gear cable L=7M (12V+24V boxes 6 wires)		ECG7/6	x	x	O = 1	O = 2	O = 1	O = 2	x	x	
Trim/Trolling cable L=2M		EC3T2	O = 1		O = 1		O = 1		O = 1		
Trim/Trolling cable L=3M		EC3T3	O = 1		O = 1		O = 1		O = 1		
Trim/Trolling cable L=3M for Mercruiser		EC3T3MM	O = 1		O = 1		O = 1		O = 1		

x = Not applicable O = Optional *** = For box with 3p connector



ELECTRONIC ENGINE REMOTE CONTROL

Type ECS

The ECS electronic engine controls developed by Rexroth meet the highest production and quality standards and provide operators with maximum reliability, as proven by endurance testing with one million lever actuations. They feature plug-and-play installation and easy operation with a unique design and extensive range of options.

Type ECS can be used to control single or twin engine applications from up to four control stations. Trolling gear control is available as an option. The system is designed for pleasure and small work boats and is compatible with all common engine types and reversing gears. The hardware originates from proven automotive applications. The well-established CAN-bus technology ensures reliable communication between all the components. Sophisticated auto-diagnostics inform the operator of the current operating state.



ECS

Type	Length (mm)	Width (mm)	Height (mm)
ECSH1	125	130	160
ECSH2	125	130	160

Design - pairing form with function

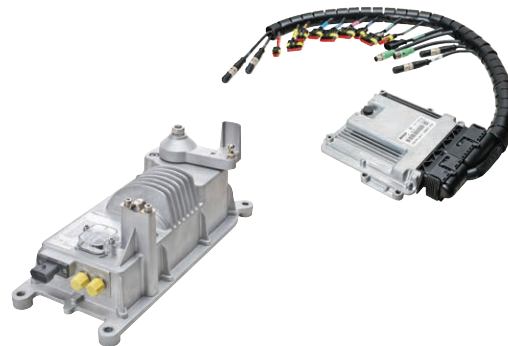
- Timeless appearance
- Easy to integrate
- Backlit illumination

Safety

- Proven BOSCH components
- ABYC compliant

User experience

- Wi-Fi web server for diagnostics
- Auto-configuration
- Language-independent icons
- Plug and play installation



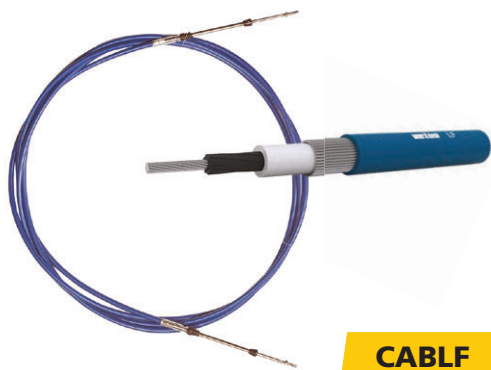
Electronic motor control system		1 Engine	2 Engines	1 Engine	2 Engines	1 Engine	2 Engines	1 Engine	2 Engines	Optional
Control method first position=Throttle, Second position = Gearbox M = Mechanical, E = Electrical		M/M	M/M	M/E	M/E	E/M	E/M	E/E	E/E	Per extra control head. Max. total units = 4
ECS Control head 1 engine	ECSH1	1	xx	1	xx	1	xx	1	xx	+1/+2/+3
ECS Control head twin engines	ECSH2	xx	1	xx	1	xx	1	xx	1	+1/+2/+3
ECS system control unit	ECSCU	1	1	1	1	1	1	1	1	
ECS Single engine wiring harness	ECSSWH	1	xx	1	xx	1	xx	1	xx	
ECS Twin engine wiring harness	ECSTWH	xx	1	xx	1	xx	1	xx	1	
ECS Actuator 12/24V (incl. 1 connection kit for push-pull cable *)	ECSA12/24	2	4	1	2	1	2	xx	xx	
	CABLF15/20	2	4	1	2	1	2			
Mechanical push-pull cables and connectors	KOGELGEWR	2	4	1	2	1	2			
	KABEKL	2	4	1	2	1	2			
ECS power cable 5/10 m (**)	ECSPC5/10	3	5	2	3	2	3	xx	xx	
ECS bus cable (station and prop). 5/10/15/20/30 m	ECSBC05/10/15/20/30	3	5	2	3	2	3	1	1	+1/+2/+3
ECS gender changer male / female (to extend standard cable length)	ECSBCC	0	0	0	0	0	0	0	0	
ECS Terminating resistor	ECSBTR	2	2	2	2	2	2	xx	xx	
ECS Gear control cable without connector 10 m /a	ECSGCM10	xx	xx	1 (a/b)	2 (a/b)	xx	xx	1 (a/b)	2 (a/b)	
ECS Gear control cable solenoid valve 5/10 m /b	ECSGCSV5/10	xx	xx	1 (a/b)	2 (a/b)	xx	xx	1 (a/b)	2 (a/b)	
ECS electrical throttle cable 4-20mA 10/20 m /c	ECSTC4210/20	xx	xx	xx	xx					
ECS electrical throttle cable 0-5V 10/20 m /d	ECSTC0510/20	xx	xx	xx	xx	1 (c/d/e)	2 (c/d/e)	1 (c/d/e)	2 (c/d/e)	
ECS electrical throttle cable PWM 10/20 m /e	ECSTCPW10/20	xx	xx	xx	xx					
ECS auxilliary cable start interlock 10 m	ECSCSI10	0 = 1	0 = 2	0 = 1	0 = 2	0 = 1	0 = 2	0 = 1	0 = 2	
ECS cable start interlock contact safety stop high idle 10 m	ECSCSIC10	0 = 1	0 = 2	0 = 1	0 = 2	0 = 1	0 = 2	0 = 1	0 = 2	
ECS cable alarm and monitoring interface 10 m	ECSCAM10	0 = 1	0 = 2	0 = 1	0 = 2	0 = 1	0 = 2	0 = 1	0 = 2	
ECS Power ignition cable 20 m	ECSPCI20	0 = 1	0 = 1	0 = 1	0 = 1	0 = 1	0 = 1	0 = 1	0 = 1	
ECS trolling/PWM (special order)	ECSTRPWM									

(*) Mechanical push pull cables to be ordered from the VETUS catalogue

(**) 10M power supply wire not to be used with 12V actuator

xx = Not applicable (a/b/c/d/e) = Select correct cable 0 = Optional

PUSH-PULL CABLES



CABLF

Type LF (low friction)

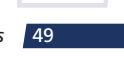
Superb strength and flexibility

This high quality cable utilises a multi-strand wire core and a ribbed synthetic sheath to ensure that contact with the outer casing is kept to a minimum.

Type LF is ideal for long and complicated runs and dual station installations.

Specifications

- Available lengths from 0,5 to 15 m (up to 17 m available to special order)
- Nominal travel 75 mm
- Minimum bend radius 165 mm
- Stroke 76,2 mm (3")
- Standard rod 10-32 UNF threaded ends



Type	Description
CABLF05	LF cable, length 0.5 m
CABLF10	LF cable, length 1.0 m
CABLF15	LF cable, length 1.5 m
CABLF20	LF cable, length 2.0 m
CABLF25	LF cable, length 2.5 m
CABLF30	LF cable, length 3.0 m
CABLF35	LF cable, length 3.5 m
CABLF40	LF cable, length 4.0 m
CABLF45	LF cable, length 4.5 m
CABLF50	LF cable, length 5.0 m
CABLF55	LF cable, length 5.5 m
CABLF60	LF cable, length 6.0 m
CABLF65	LF cable, length 6.5 m

Type	Description
CABLF70	LF cable, length 7.0 m
CABLF75	LF cable, length 7.5 m
CABLF80	LF cable, length 8.0 m
CABLF85	LF cable, length 8.5 m
CABLF90	LF cable, length 9.0 m
CABLF95	LF cable, length 9.5 m
CABLF100	LF cable, length 10.0 m
CABLF105	LF cable, length 10.5 m
CABLF110	LF cable, length 11 m
CABLF120	LF cable, length 12 m
CABLF130	LF cable, length 13 m
CABLF140	LF cable, length 14 m
CABLF150	LF cable, length 15 m

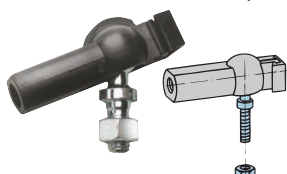
Type	Description
CABLE05A	Standard 33C cable*, length 0.5 m
CABLE10A	Standard 33C cable*, length 1.0 m
CABLE15A	Standard 33C cable*, length 1.5 m
CABLE20A	Standard 33C cable*, length 2.0 m
CABLE25A	Standard 33C cable*, length 2.5 m
CABLE30A	Standard 33C cable*, length 3.0 m
CABLE35A	Standard 33C cable*, length 3.5 m
CABLE40A	Standard 33C cable*, length 4.0 m
CABLE45A	Standard 33C cable*, length 4.5 m
CABLE50A	Standard 33C cable*, length 5.0 m

* Normal friction

Cable accessories

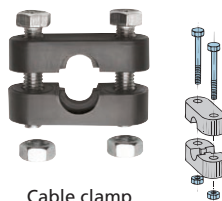
Ball-joint / Cable clamp

An extra for all VETUS push-pull cables.



Ball-joint

KOGELGEWR



Cable clamp

KABELKL

Type	Description
KABELKL	Cable clamp for cables type 33 and LF
KOGELGEWR	Ball-joint for cables type 33 and LF

Shut-off control

Type DC

Type DC is corrosion resistant and easy to install (horizontally or vertically) and can be used with VETUS push-pull cables. Comes with a 30° mounting bracket.



DC

Type	Description
DC	Cable pull handle type DC

Dual station units type DS

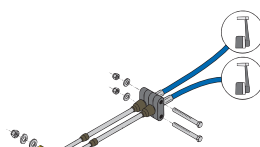
Type DS combines the action of a single lever control from either of 2 command stations, providing a single output to the engine throttle or gearbox lever. 2 Dual station units are needed per engine (type DS-UNIT for the gearbox and type DS-KITF for the throttle).

DS-kit throttle

(only suitable for throttle control by pulling).



DSKITF



DS-unit (gearbox)

DS

Type	Description
DSKITF	Dual station unit type DS, for throttle
DS	Dual station unit type DS, for gearbox

