

FALCON-500

Autopilot



FALCON:

The FALCON-Line is the future generation of navigational equipment for commercial inland shipping industry. The black glass finish has a futuristic look and the entire FALCON system is connected to an Ethernet network.

Autopilot:

The FALCON-501 is one of the Radio Zeeland DMP autopilots. The compact FALCON-501 is an open platform for follow up steering, with which a combination of functions can be made.

Steering:

With the FALCON-501 there are three possible ways to steer the vessel. That is by R.O.T. pilot, by follow up steering, or by an auxiliary signal.

Additions:

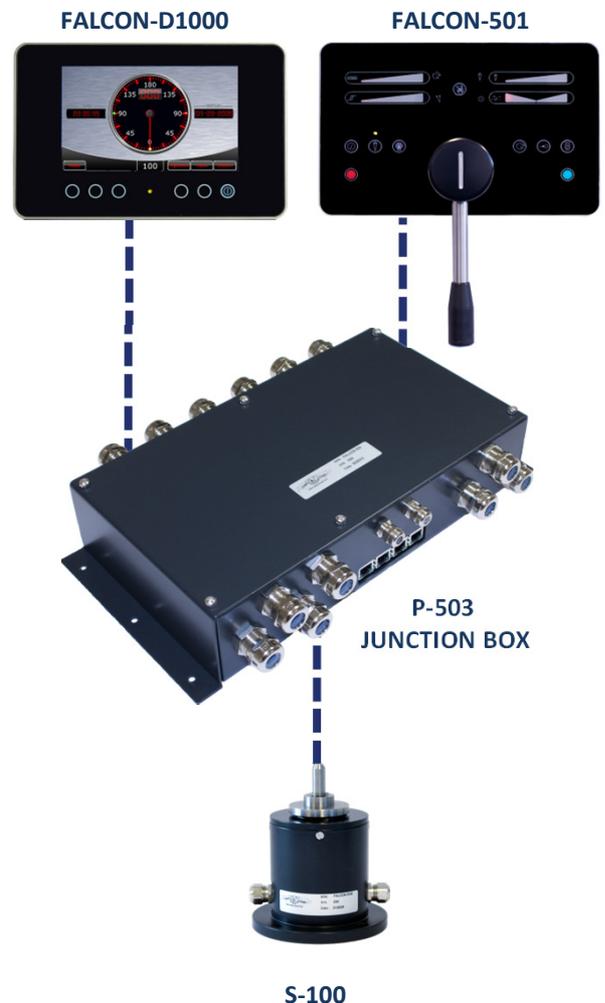
In some cases it is desirable to expand your pilot with either extra indicators or repeaters, this all lies within the possibilities with the FALCON-501. Whether its one or more additional FALCON-501 or FALCON-650 devices, your wheelhouse will be expandable in numerous ways when installing the FALCON-501 autopilot.

Colored lighting:

The buttons and indicators of the FALCON-501 are illuminated with EL- backlighting. The FALCON-501 is fitted with a dimming system, which can be synchronized with the rest of the Radio Zeeland DMP system.

FALCON-501

The FALCON-501 operating unit is one of the Radio Zeeland DMP autopilots. Along with the P-503 junction box, the FALCON-100 rudder angle indicator and an optional FALCON-300 rate of turn indicator the FALCON-501 is a complete autopilot set. This system can be upgraded with the FALCON-345 electromagnetic compass and the FALCON-370 course setter to set a course to steer for the FALCON-501 auto pilot.



RADIO ZEELAND DMP
www.radiozeeland.com

Technical specifications

Display unit housing specifications

Housing	Clear anodized aluminum
Size	236 x 154 x 80 mm
Weight	Net weight 1,35kg
Protection	IP-50
Temperature	0 to + 55°C,
Humidity	0 to 90% non-condensing

Electrical specifications

Main power supply	18 – 36VDC fused @900mA self recovering
Backup power supply	18 – 36VDC fused @900mA self recovering
Amperage	< 1A (without repeaters)
Power consumption	< 1,0 A

Outputs

- External dimmer 15VDC RWM with a maximum of 150mA
- Repeater -1 - 0 - 1mA
- NMEA out IEC 61162 (ROT)

S-100 Sensor specifications

- Supply voltage: 12-36V DC.
- Current consumption: < 200mA.
- Non-contact magnetic recording angle.
- Resolution: 0,5°.
- Zero-point adjustable over the entire field line.
- 360° mechanical and electrical rotation.
- NMEA RSA output signal (not galvanically separated)
- -10V to +10V analog output, galvanically separated.
- DIP switch selectable port feedback unit or starboard feedback unit.

P-503 specifications

- Housing; anodized aluminum
- Size; 370 x 185 x 75 mm
- Supply voltage; 2 x 24 VDC
- Current consumption; <6 A (current depends on connected peripherals)
- Inputs for rudder feedback, rate of turn sensor, 2 x alarm, stand-by, alarm reset, 2 x NMEA
- Outputs for rudder indicator, rate of turn indicator, bowthruster, BNWAS, external alarm
- Steering outputs for common+, common-, Danfoss and motordrive. Suitable for proportional and on/off systems.
- Equipped with 8 port ethernet switch with DHCP server

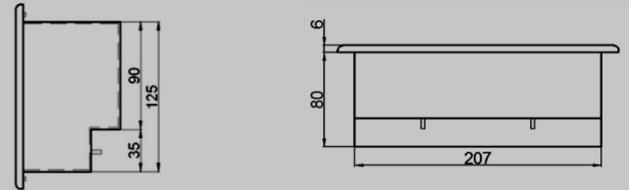
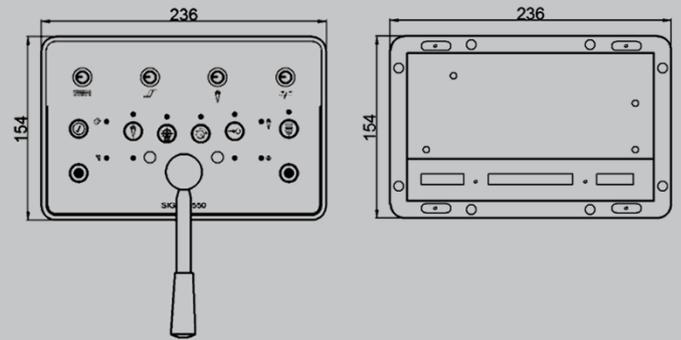
Declaration of conformity

EN 60945 (IEC 60945: 2002, including corrigendum 1:2008)
Chapters 9, 10, 11 and 12

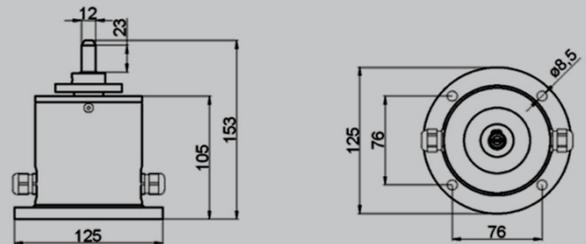
Scope of supply

- The FALCON-501 Manual
- Operating unit FALCON-501
- P-503 junctionbox
- P-503 Manual
- S-100 Smart Rudder Angle Sensor
- S-100 Manual
- FALCON-D1000
- FALCON-D1000 Manual
- Assembly set

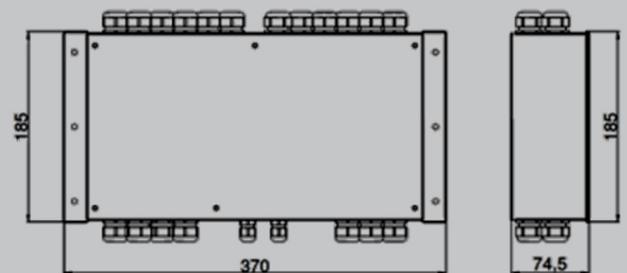
Dimensions in mm:



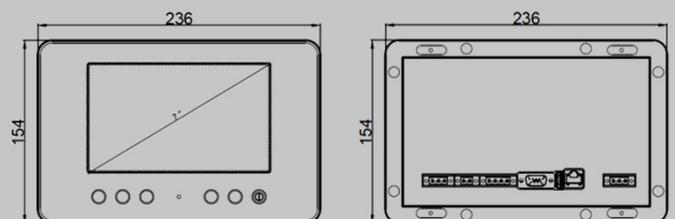
S-100 Sensor



P-503 junctionbox



P-503 junctionbox



Dealer:



Product is subject to change without notice.