



ZF MARINE CONTROLS

ZF TotalCommand

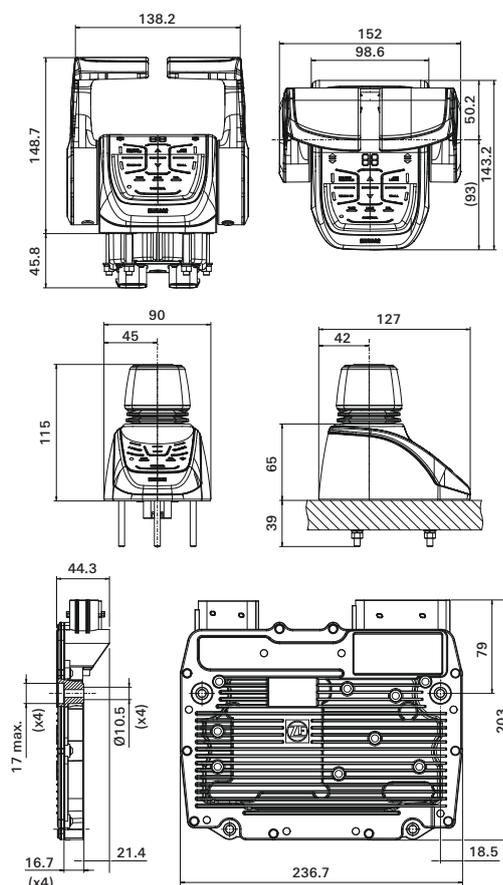


Main data

ZF TotalCommand

| | |
|------------------------------------|--|
| Stations | Up to 6 |
| Communication | CANBUS |
| Architecture | FULL redundant, plug-and-play |
| Operating voltage | 9 – 32 V |
| Waterproof | IP67 |
| Public interface | J1939 and NMEA 2000 |
| Calibration and diagnostic | Available on control head |
| Throttle interfaces | CANBUS, 0-5V, 4-20mA, PWM |
| Approvals | CE (ISO25197) and ABYC RINA, Lloyds, ABS, BV, CCS and CRS |
| Push-pull cable actuator | Available |
| Joystick | 3-DOF proportional |
| Dynamic positioning (DP-0) | Optional |
| Wind and drift compensation | Manual or automatic |

Main dimensions (mm)



Technical description

Reliable propulsion control

- Effortless control at your fingertips: smooth and precise propeller speed management from idle to full throttle
- Designed for both recreational and professional vessels
- Aesthetics has been developed by the world-famous Italian designer Giugiaro
- 3-axis proportional joystick
- Industry-leading shifting performance and adaptive gear engagement

World-class driver experience

- Automatic combination of propulsion and thrusters
- Autonomous compensation of drift and wind disturbances
- Thruster only mode: independent control of bow and stern thrusters
- Boost: additional power in case of harsh sea and wind conditions
- iAnchor keeps the vessel at given position and heading against wind and current
- Engines synchronization increases operating efficiency, improves fuel economy and reduces noise and vibration
- Adjustable lever movement smoothness for personalized handling
- Dimmable LEDs: adjustable light intensity depending on night and daylight
- Premium plastic grip and soft touch rubber



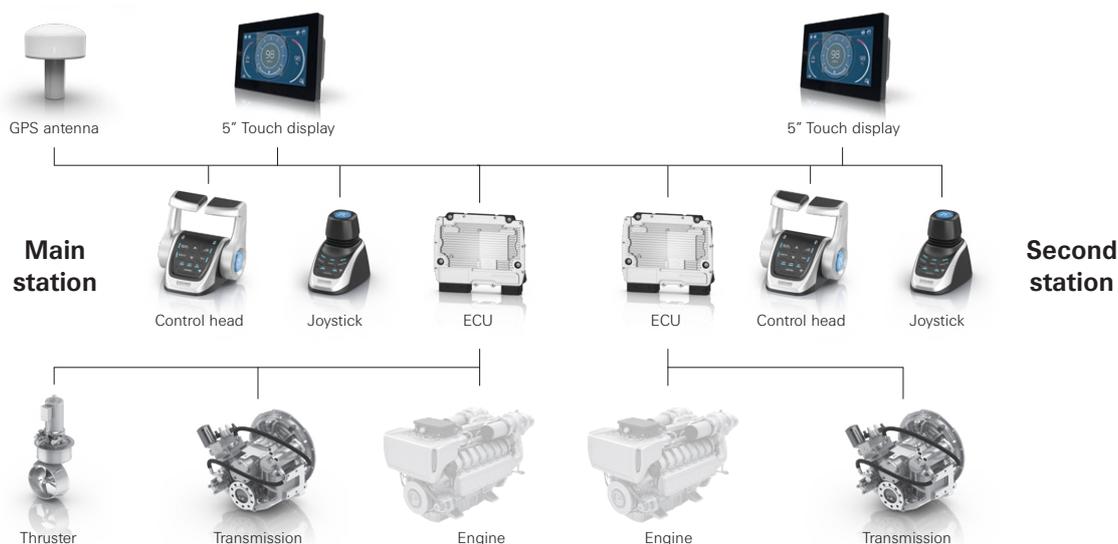
Simple and compact installation

- Supports up to six multiple control stations
- Simple component installation and plug-and-play setup
- Compatible with all the main OEM engines and bow/stern thruster systems
- Optional transmission-mounted processor
- Modular structure: one system for all applications with full redundant architecture
- Works with electronic and mechanical engines and transmissions
- Optional high-resolution 5-inch projected capacitive colour touchscreen

Robustness

- All components tested to meet the highest marine industry standards and fully compliant with all major classification societies
- Systematic diagnostic and calibration on the control head
- World-wide ZF aftermarket support
- Anodized aluminum components designed and tested
- Fully redundant proportional magnetic sensor on each lever
- Additional optical sensor for neutral position detection
- Speed/shift sequence protection allows full-ahead to full-astern shift in one motion while preventing damage to the engine or transmission

System layout (example)



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