

# NAVITRON SYSTEMS LTD

## NT1050 AUTOPILOT

The NT1050 Autopilot System is the latest digital Autopilot in the new generation designed and manufactured by Navitron for small professional vessels covering workboats, pilot and patrol craft, fishing vessels and motor yachts up to 25m LOA. The system provides the world famous Navitron steering expertise in a clearly displayed, user-friendly package incorporating the following standard features:-



- 5" Colour Display with 80° viewing angle in all directions.
- Adaptive/Self-Tuning
- N2K Interface.
- Dual NMEA Heading Inputs.
- Mag Sensor Coil Heading Input.
- Multi Waypoint Track Steering.
- Multiple Control Unit Options.
- Integral Off Course Alarm.
- Integral Watch Alarm.
- NMEA 0183 Heading Output.
- 11-40Vdc Power Supply.
- Multiple User-Defined Work Modes.

**Model NT1050 Autopilot Control Unit** Dims 156mm x 168mm x 90mm (depth)

The NT1050 Autopilot System is suitable for hull forms of all types and can support up to 3 Control Units connected to a central Distribution Unit. The system is equipped for precision performance and reliability combining advanced control intelligence, Auto Rudder Stability, Auto Trim (APH), Integral Alarm and Reset Functions.

Standard scope of supply comprises NT1050 Control Unit (suitable for foot bracket or panel mounting) and central Distribution Unit. Comprehensive or simplified Rudder Reference Units are also available. The standard Distribution Unit has been designed for expansion with up to six output modules for rudder/thruster control.

### Distribution Unit Expansion Modules include:

- Bang/bang solenoid control (5A/110Vdc).
- +/-10V / 4-20mA isolated analogue control.
- Serial Control via CAN Bus (N2K or proprietary format) or NMEA 0183 (IEC 61162-1 or -2).

### Other Options/Functions:

- Optional Reversing Motor Drive (80A/24Vdc)
- Rudder Angle Indicators.
- Power Steer Controls.
- Heading Repeaters.



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## NT1050 Autopilot System Configuration

