# NAVITRON SYSTEMS LTD

## NT777 MK2 SMALL VESSEL AUTOPILOT

The NT777 MK2 Autopilot System is a new digital Autopilot generation designed and manufactured for small professional vessels covering workboats, pilot and patrol craft, fishing vessels and motor yachts to 25m LOA which provides the customary Navitron steering expertise in a robust and compact, user-friendly package incorporating the following standard features:-



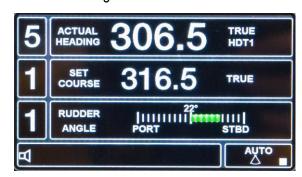**Model NT777 MK2 Autopilot Control Unit** (192 x 120 x 62.4mm)

- 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.
- Custom Turn & Dodge Functions.
- NMEA 0183 Heading Output.
- 11-40Vdc Dual Power Supply.
- 11-40Vdc/5A rated solid state switch Outputs to Solenoids.

Suitable for hull forms from conventional displacement to fast planing vessels – the NT777 MK2 Autopilot System can support up to 3 Control Units connected to a central Distribution Unit. The Autopilot System is equipped for precision performance and reliability combining full PID intelligence, Auto Rudder Stability, Auto Trim (APH), Integral Alarm and Reset Functions.

Standard scope of supply comprises NT777 MK2 Control Unit which can be externally located and suitable for foot bracket or panel mounting, Rudder Reference Unit, central Distribution Unit and Heading Sensor Coil.

**Autopilot System features include:**

- **4.3" Colour Display showing Set Course, Actual Heading, Rudder Angle & Active Steering Mode.**

- **Permanent Heading changes in 1º/ 5º/10º steps etc. via dedicated keys.**

- **Watch Alarm Remote Reset functions, Heading Output to Radar and COG Track Steering Mode.**

- **Operator selectable Display Mode and Illumination Control. (Light characters on a dark background or vice versa).**

- **Optional equipment includes Rudder Angle Indicators, Power Steer Controls, Analogue & Digital Heading Repeaters.**

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## NT777 MK2 Autopilot System Configuration

**Inputs:-**  **Standard Supply:-**  **Outputs:-**

### NT777 MK2 Control Unit



Mag Compass

Heading Sensor Coil

Junction Box

GPS/Gyro Compass IEC61162-1 or -2

GPS Compass IEC61162-1 or -2

NT990 WAS RST Watch Alarm Reset

Track data from GPS or Plotter

Rudder Reference Unit

NT777 MK2 DB

→ Variable Illumination Level

→ IEC61162-1 or -2 Heading Data

→ N2K Interface (Input/Output Data)

→ Volt Free Watch Alarm Contact

→ Status Relay

→ 11-40Vdc/5A Outputs to Solenoids

→ Power Monitor Relay

MAIN 18 - 40Vdc Ships Supply

Backup 11 - 40Vdc Ships Supply

### Optional Equipment:-

Optional 2nd Control Unit

| Optional equipment suitable for Direct connection:- |
| --- |
| (i) Watch Alarm |
| (ii) Power steer Controls |
| (iii) Rudder Indicators |
| (iv) Digital Heading Repeaters |
| (v) Analogue Heading Repeaters |

→ Variable Illumination Level

Optional 3rd Control Unit

→ Variable Illumination Level