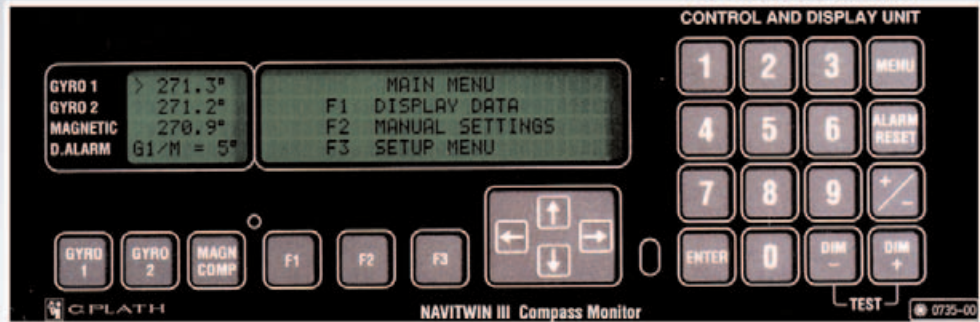


NAVITWIN III

Multiple Digital Heading Reference Monitor & Transmitting Magnetic Compass System



Total Command
Information at a Glance

Sperry Marine

Features

- Monitors 4 heading references.
- Visual and audible compass failure alarms.
- Monitors power supplies of gyro systems.
- Monitors the difference between headings of gyrocompasses and magnetic compass system.
- Complies with NIS/NSC and IMO recommendation for independent course alarms.

Displays

- Headings from Gyro 1 and Gyro 2.
- Heading from magnetic compass system.
- Heading difference alarm.
- Speed • Rate of turn • Magnetic Variation • Date and Time.
- North speed error correction.
- Position in latitude and longitude.

Technical Data

- Environmental
 - Ambient temperature range: operation -10° C to +55° C
 - storage -25° C to +70° C
- Protection grade: installed IP 56 to DIN 40050
- not installed IP 43 to DIN 40050
- Environmental testing in accordance with EN 60945 (IEC 945 + A1).
- Front panel dimensions 288 x 96 mm to DIN standard
- Depth 65 mm Weight 0.8 kg
- Power Requirements 24 VDC (18 V to 36 V)
- Data Inputs
 - Heading gyro RS 422. Rate of turn RS 422. Heading magnetic sine/cos from flux-gate or NMEA 0183.
 - Speed RS 422. Position RS 422.
- Signal Outputs
 - 1 output for up to 4 serial repeaters (analogue/digital) RS 422, NMEA 0183.
- Alarm Outputs
 - Status Gyro 1, Gyro 2, Magnetic or Heading Difference Alarm and Off-course Alarm.
- Type approved to EC Council Directive 96/98/EC by BSH.

Eigenschaften

- Überwacht bis zu 4 Kursreferenzen.
- Optischer und akustischer Kompaßfehleralarm.
- Überwachung der Kreiselkompaß-Versorgung.
- Überwacht Kursdifferenz von Kreiselkompaß(en) und Magnetkompaß.
- Entspricht den Empfehlungen der NIS/NSC und IMO bezüglich unabhängigem Kursalarm.

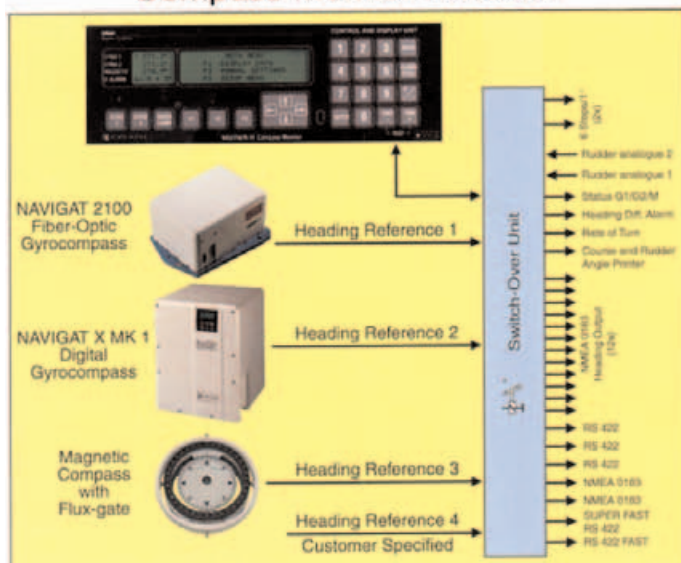
Anzeigen

- Istkurs vom Kreisel 1 und Kreisel 2.
- Istkurs vom Magnetkompaß-System.
- Istkurs-Differenzalarm.
- Geschwindigkeit • Wendegeschwindigkeit • Datum und Zeit.
- Nordfahrtfehlerkorrektur • Position in Länge und Breite.
- Magnetische Mißweisung.

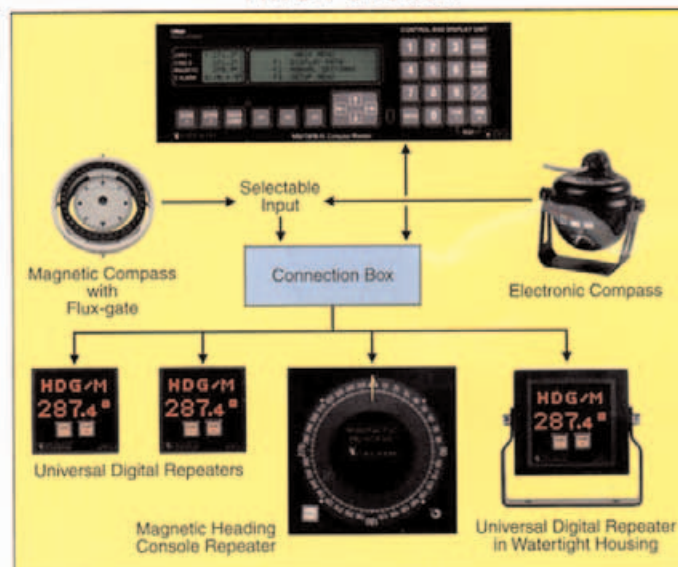
Technische Daten

- Umweltdaten
 - Umgebungstemperatur: Betrieb -10° C to +55° C
 - Lagerung -25° C to +70° C
- Schutzart: eingebaut IP 56 to DIN 40050
- nicht eingebaut IP 43 to DIN 40050
- Umweltprüfung gemäß EN 60945 (IEC 945 + A1).
- Frontplattenmaße 288 x 96 mm gemäß DIN
- Tiefe 65 mm Gewicht 0.8 kg
- Versorgungsspannung 24 VDC (18 V bis 36 V)
- Dateneingänge
 - Kreiselkompaßkurs RS 422. Wendegeschwindigkeit RS 422. Magnetkompaßkurs sin/cos von Sonde oder NMEA 0183. Geschwindigkeit RS 422. Position RS 422.
- Signalausgänge
 - 1 Ausgang für bis zu 4 serielle Tochteranzeigen (analog/digital RS 422, NMEA 0183).
- Alarmausgänge
 - Status Kreisel 1, Kreisel 2, Magnetic oder Kursdifferenz-Alarm, Off-course Alarm.
- Baumustergeprüft nach EC Council Directive 96/98/EC d. BSH.

Compass Monitor Function



TMC Function



Sperry Marine

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