

# NAVITRON SYSTEMS LTD

## Off Course Alarm and Heading Indicators



**Model NT925OCA Off Course Alarm**

Dims 110mm x 175mm x 75mm (depth)

### Simple to operate, both versions feature: -

- 3 digit course set display
- 2 digit course error display
- 3° to 30° OCA trip level
- Red backlight illumination
- 11 - 40 Vdc power supply



**Model NT920DHR / 2 Digital Heading Repeater**

Dims 110mm x 145mm x 94mm (depth)

Designed and developed by Navitron Systems Ltd the Off Course Alarm type NT925OCA is available in two versions.

**NT925OCA / 1** is primarily intended for use as an independently referenced course monitor which, when installed as an independent system or in conjunction with an appropriate Navitron Autopilot system, renders the entire configuration compliant with all articles of IMO Resolution A.342(ix).

Dual Heading input ports are standard and can be connected to accept magnetic information derived from a Navitron heading sensor coil attached above or below an existing ships compass and/ or a range of NMEA 0183 heading sentences derived from proprietary sources such as GPS compasses and Gyro's etc. Whilst only one heading input is essential, dual inputs will provide a back up system where either input maybe chosen as the primary or secondary heading reference.

Standard features include installation programmable Deviation and Variation correction, NMEA 0183 and Step by Step (installation Programmable 3, 6,12 and 24 step/degree) heading outputs for use by proprietary radars etc.

**NT925OCA / 2** is designed for use as an independently referenced Off Course Alarm but includes a Course Comparator Alarm which may be enabled or disabled during installation as required.

Unlike the heading sensor coil and single NMEA input associated with the NT925OCA / 1, the NT925OCA / 2 features dual NMEA 0183 heading input ports. Only one input is required for Off Course Alarm operation whilst dual inputs are essential for the additional Course Comparator function which continuously monitors and compares the two sets of NMEA data received. In the event of excessive differences between the data received (trip level installation programmable 1-20") the alarm is activated.

A Step by Step (installation programmable 3, 6,12 and 24 step/degree) output facility is standard

**Type Approved** (UK National Certification by Notified Body QinetiQ) The **NT920DHR / 2** Digital Heading Repeater is immediately compatible with NMEA 0183 heading data and is equipped with an opto isolated input port for direct connection to proprietary senders (gyro's, GPS compasses etc.) transmitting the following sentence types.

\$XXHDT, \$XXHDG, \$XXHDM, \$XXHCC, \$HCHSC.

Ruggedly engineered and suitable for bracket or console mounting in internal and external locations, the NT920DHR / 2 may be installed in single or multihead configurations as add on repeaters with proprietary equipment or to provide an independent system with Navitron equipment such as the NT925OCA 1 Off Course Alarm. Standard features include a 3 or 4 digit 25mm LCD display of current heading optimised for night viewing by operator variable red backlight illumination.



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