

# FALCON-1100



## FALCON

The FALCON-Line is the future generation of navigational equipment for commercial inland shipping industry. The digital display powered by a small computer allows it user to load different software programs to display various data.

### Engine data

The FALCON-1100 unit is able to read out valuable engine data such as fuel consumption, RPM and coolant temperatures. This data is transferred to the FALCON-1100 display unit and displayed in a number of pages. The FALCON-1100 operates with electronic engines and with engines equipped with sensors.

The incoming CANBUS J1939 data can be send out in Modbus TCP.

### Multiple engines

The FALCON-1100 holds the possibility to visualize the engine data of two different engines on one screen. This way, the FALCON-1100 provides a quick overview of engine data for vessels with one or two engines.

### Hardwired functions

The emergency functions of the engines are connected hardwired, to prevent software errors from disrupting crucial emergency functions.

### Display

This FALCON-1100 display is fitted with a dimming system. This system has the possibility to issue multiple dim groups, allowing the user to dim multiple FALCON-1100 or SIGMA-1000 displays at the touch of one button. It also allows multiple displays to be put into night view mode.

## FALCON-1100

The FALCON-1100 unit is an engine data display unit. With this compact unit it is possible to read out two engines at the same time. The data of both engines can be visualized on one screen.

The FALCON-1100 operates with electronic engines and with engines equipped with sensors.

For engine brands or types of engines that are not yet configured, in this system Radio Zeeland DMP can develop software on demand.

## Features

The FALCON-1100 has three predefined page layouts, the main, overview and alarm page.

The Main page has a fixed layout, though the text fonts are customizable. The I/O's can be connected to any gauge on the layout, creating a user friendly platform with which the user can customize its own pages.

The overview page contains digital numeric readouts. Which data will be displayed is fully customizable within a predefined layout.

The alarm page provides overview over 8 analogue and 8 digital value's, that can give an alarm once it reaches a value in a predefined range.

## FALCON-1100



RADIO ZEELAND DMP  
www.radiozeeland.com

# Technical specifications

## Display unit housing specifications

Housing	Clear anodized aluminum
Size	236 x 154 x 50 mm
Protection	IP-50
Temperature	0 to + 55°C,
Humidity	0 to 90% non-condensing

## Electrical specifications

Main power supply	18 – 36VDC fused @900mA self recovering
Backup power supply	18 – 36VDC fused @900mA self recovering
Power consumption	< 500mA

## Optical specifications

Display size	7"
Display resolution	800x480
Dimming range	5 – 100%
Brightness	550 cd/m <sup>2</sup>

## Other

Over/voltage protection	Yes
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## Outputs

- NMEA 0183 output
- Relay contact output
- Output for Ethernet

## Inputs

- NMEA 0183 in
- Input for Ethernet

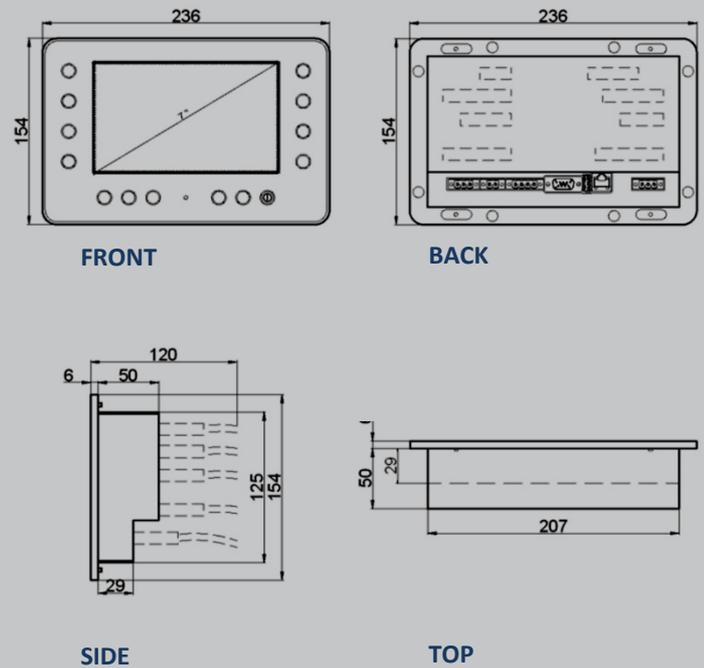
## Declaration of conformity

EN 60945 (IEC 945 Third edition: 1996-11) Chapters 9, 10, 11 and 12.

## Scope of supply

- The FALCON-1100 Manual
- Display unit FALCON-1100
- Connectors for power supply and NMEA

## Dimensions in mm:



Dealer:



Product is subject to change without notice.