



HYDRA V2

Tank level display



PRESENTATION

- ▶ The HYDRA V2 is an analogue level display. It is compatible with a large number of standards used in the marine industry such as 0-10VDC, 4-20mA and resistive probes.
- ▶ Very simple to install, the HYDRA V2 offers a cost-effective solution for monitoring the level of liquid in the tanks.
- ▶ It can be used for level measurement as well as for measuring temperature, pressure, voltages, etc.
- ▶ A level alarm output can also be triggered.

FUNCTIONAL CHARACTERISTICS

Display

- ▶ The level is displayed as a LED bargraph from 0% to 100% with a 10% step.

Functions

- ▶ Display of the level for one tank.
- ▶ Several tanks can be monitored with an optional switch.
- ▶ Calibration, brightness adjustment and level alarm settings are easily managed by the installer on the back of the product.
- ▶ Intuitive light interface.
- ▶ Simple configuration for input current or voltage.

Options

- ▶ Manual switch for monitoring several tanks.
- ▶ Reversed reading.
- ▶ Specific pictogram on the front.

Outputs

- ▶ Alarm or transfer pump control (depending on the threshold set by the installer). 0VDC output (500mA Max) to be wired on a power relay.

Inputs

- ▶ Voltage from 0 to 10VDC.
- ▶ Current between 4 and 20mA.



MECHANICAL CHARACTERISTICS



Dimensions (LxIxH)

- ▶ Overall : 72.4 x 26.92 x 72.4 mm
- ▶ Housing: Drilling diameter: 68mm

Weight

- ▶ 0.1 kg

Mounting

- ▶ Fixed using four stainless steel screws provided.

ELECTRICAL CHARACTERISTICS

Power supply

- ▶ 24 VDC.
- ▶ Consumption 250mA Max. excluding the alarm output.

Electrical connection

- ▶ Connection via a 6 point terminal block, 1,5mm².

Electrical protections

- ▶ Reverse polarity power supply protection.
- ▶ Signal input protected by resettable fuse.
- ▶ Alarm output protected by a 500mA SMD fuse non resettable.

CONNECTION OVERVIEW

24Vdc power



24Vdc output 0,5A max.



1 Level sensor 0-10V or 4-20mA

ENVIRONMENTAL CONDITIONS



Temperature limits

- ▶ 0°C to 55°C (functioning)
- ▶ 0°C to 70°C (storage)



Humidity

- ▶ 95% Humidity max.



Protection rating

- ▶ IP44

REFERENCES & OPTIONS



Tel. + 33 (0)2 98 52 16 44 - Fax : + 33 (0)2 98 64 74 05 - marinelec@marinelec.com - www.marinelec.com

sail safely

