



ORION V3

Engine telegraph

PRESENTATION



- ▶ The ORION V3 is a regulatory safety device ensuring the transmission of orders between the engine room and the wheelhouse.
- ▶ The connection between the different stations (from 2 to 5 stations) is provided by a single cable over Power Line Communication.
- ▶ 3 languages displayed (English, French & Spanish)
- ▶ 2 versions: flush & cabinet

FUNCTIONAL CHARACTERISTICS

Functions

- ▶ Number of channels:
11 max. (10 + « STOP »).
- ▶ Standard version :
2 stations – option of 3 to 5.
- ▶ Channel selection:
Switch (ON/OFF) + Led status
- ▶ Audible signal:
Internal buzzer, 75dB min.
- ▶ Dimmable light indicators:
(day/night mode).
- ▶ Luminous indicators test.
- ▶ Critical order.
- ▶ System fault:
in case of loss of the control bus.
- ▶ Control takeover:
from 3 stations or more.

Outputs

- ▶ Siren output:
24VDC/100mA
- ▶ System fault output:
NC dry contact (1A max, 24VDC)
- ▶ Critical order output:
NO dry contact (1A max, 24VDC)

Serial outputs

- 1 x RS485 output for 2 functions:
 - ▶ Bridge panel:
VDR (Voyage Data Recorder) over 4800 bauds, 8 bits, 1 stop bit; IEC 61162-2
 - ▶ Engine panel:
ORION printer (ASCII protocol)



APPROVALS

- ▶ Bureau Veritas





MECHANICAL CHARACTERISTICS



	Dimensions	Weight	Mounting
Flush version	172 x 170 x 68 mm	0.6 Kg	on console 138x130mm
Cabinet version	240 x 219 x 115 mm	1.2 Kg	surface
Cabinet + sounder & beacon version	240 x 324 x 115 mm	1.5 Kg	surface

ELECTRICAL CHARACTERISTICS

Main power supply

- ▶ 24Vdc (+30% /-25%)

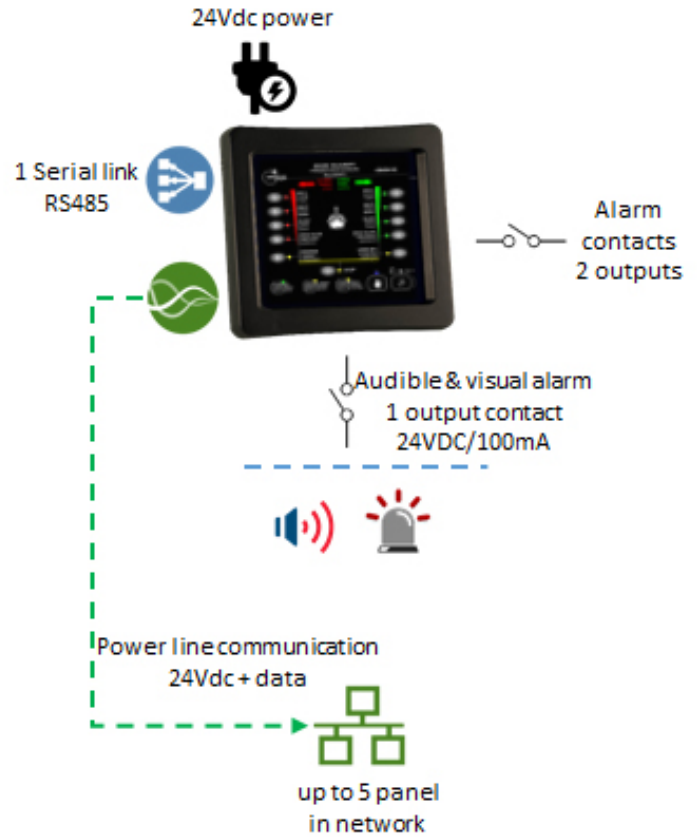
Electrical connection

- ▶ Power line communication between the panels: 2x0.75mm² min. + shield
- ▶ Serial communication: 1 twisted shielded pair (>=0.50mm²)

Consumption

- ▶ Nominal current (standby): 25mA per telegraph
- ▶ Max. current: 150mA per telegraph

CONNECTION OVERVIEW



ENVIRONMENTAL CONDITIONS



Temperature limits

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



Humidity

- ▶ 95% Humidity max.



Protection rating

- ▶ Flush version: IP44 (front side)
- ▶ Cabinet version: IP44 (full product)

REFERENCES & OPTIONS

- ▶ ORIONV3: flush panel
- ▶ ORIONV3_C: panel in cabinet
- ▶ ORIONV3_C_FS: panel in cabinet + flash & siren
- ▶ ORIONV3_PRINTER: printer for Orion V3



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sail safely

