

Compact Joystick Wing Terminal

The cJoy Wing Terminal is a remote operator terminal for cJoy and cPos systems.

The terminal is designed for installation in outdoor environment.



Features

- 3-axis joystick to control surge, sway and yaw thruster demand
- Monochrome heading display with buttons for input of new heading demand
- Operational mode buttons with indicator lights and double-push action
- Function for requesting command transfer from other operator locations
- Selection of joystick thrust
- Selection of rotation centre
- Alarm indicator/buzzer with silence button
- Power indicator with power failure alarm
- Panel and display illumination adjustment
- Panel test function
- Joystick calibration function
- Automatic detection of panel location and orientation from junction box

Description

The cJoy Wing Terminal provides the operator with the necessary facilities to control a vessel in joystick and auto heading mode.

The terminal is ergonomically designed so that the operator can easily make the necessary adjustments and give control commands.

The terminal can be located at any location on the vessel, both indoor and outdoor. The electronics are housed in a self-contained unit, which may be bulk-head mounted or insert into a suitable surface. A mounting bracket for the terminal is available.

The terminal is interfaced to cJoy Operator Terminals or cPos Operator Stations via a cable and a junction box. Up to six wing terminals can be connected to one operator terminal/station.

The terminal location and orientation is set up on each junction box in order to make it easy to replace, move or change round wing terminals.

Standards Applied

The equipment is designed to conform to the following standards:

- EN 50081-2 Electromagnetic capability - Generic emission standard, Part 2: Industrial environment.
- EN 50082-2 Electromagnetic capability - Generic immunity standard, Part 2: Industrial environment.
- EN 60204 Safety of machinery - Electrical equipment of machines, Part 1: General requirements.
- EN 60945 Marine navigation and radio communication equipment and systems - General requirements: Methods of testing and required tests.
- IACS E10 Unified environmental test specification for testing procedures for electrical, control and instrumentation equipment, marine computers and peripherals covered by classification.

CE Marking

The equipment conforms to the relevant EU directives.

Type Approval

The cJoy Wing Terminal is designed for type approval by:

- Det norske Veritas (DnV)
- The American Bureau of Shipping (ABS)

Dimensions

Height:	170 mm
Width:	310 mm
Depth:	210 mm
Weight:	3 kg

Article Numbers

cJoy Wing Terminal	603205
cJoy Wing Terminal Junction Box	603206
cJoy Wing Terminal Cable - 5 m	603203
cJoy Wing Terminal Cable - 2 m	603204

Electrical

Input voltage:	24 VDC (+10%, -15%)
Power consumption:	maximum 25 W typical 20 W

Environmental Specifications

Note:

Exposing the electronics to the limits of its environmental specification will affect the equipment's expected lifetime.

Ambient temperature

operational:	-25° C to 70° C
storage:	-40 °C to 70° C

Ambient humidity

operational:	up to 90% relative humidity, non-condensing
storage:	up to 95% relative humidity, non-condensing

Acoustic noise	<40 dB
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Cabinet Specification

Material:	aluminium
Protection standard:	IP56
Colour:	grey, NCS S 6500-N

Interface

The cJoy Wing Terminal is interfaced to cPos Operator stations or cJoy Operator Terminals via a CAN bus interface.

