

cJoy PE

Compact Joystick Control System

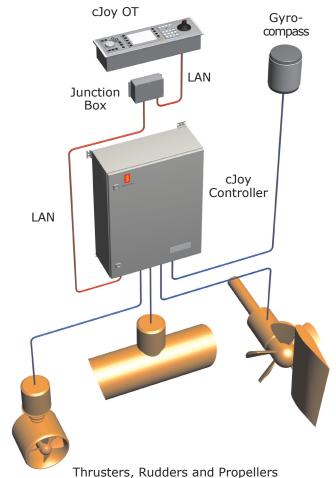
The cJoy PE is a "state of the art"
Joystick Control system based on the latest
Kongsberg RCU technology.
This compact, modular-based system is
designed especially for PE supply and
includes software tools for easy
installation, commissioning and tuning.
The Operator Terminal is designed for
installation in any type of bridge console.

Features

- Manual joystick control mode
- · Automatic heading control
- Selection of controller gain level, joystick configuration and vessel rotation centre
- · Present and change heading functions
- Intuitive and user-friendly operator interface
- · Advanced thruster allocation
- Online alarm and event system

Basic Configuration

- cJoy Operator Terminal with joystick, heading selector wheel and built-in TFT colour display
- cJoy Controller equipped with one RCU510 controller with built-in I/O
- Interface for gyrocompass, wind sensor and thrusters
- Eight galvanic isolated analogue output channels (4 to 20 mA or ± 10 VDC)
- Eight digital input channels



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Options

- Remote/movable cWing Operator Terminals
- Command transfer between operator locations
- · Wind sensor
- Manual/Joystick change-over switch

Technical Specifications

Dimensions

cJoy Controller (JC-401)

Height: 800 mm Width: 600 mm

Depth: 250 mm (260 mm with mounting

brackets)

Weight: 40 kg (basic unit)

cJoy Operator Terminal

Height: 260 mm
Width: 583 mm
Depth: 180 mm
Weight: 6 kg

cWing Operator Terminal (option)

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

Electrical

cJoy Controller (JC-401)

Input voltage: $24 \text{ VDC } (\pm 10 \%)$

or

115/230 VAC (+10%, -15%)

Frequency: $50/60 \text{ Hz} (\pm 5 \%)$ Power consumption: maximum 285 W

typical 100 W

cJoy Operator Terminal

Input voltage: 24 VDC (+10%, -15%)

Power consumption: maximum 30 W

typical 20 W

cWing Operator Terminal (option)

Input voltage: 24 VDC (+10%, -15%)

Power consumption: maximum 25 W

typical 20 W

Cabinet Specification

cJoy Controller (JC-401)

Material: steel Protection standard: IP44

Colour: grey, RAL7032

cJoy Operator Terminal

Material: aluminium

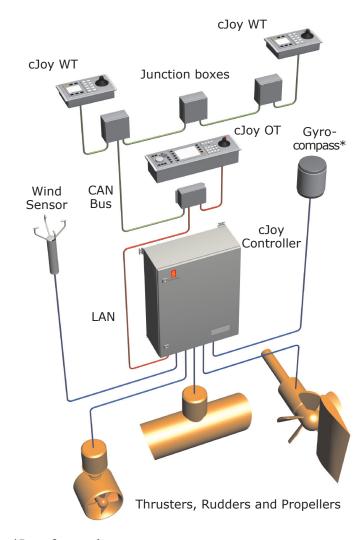
Protection standard: IP44
Colour: grey, NCS S 6500-N

cWing Operator Terminal (option)

Material: aluminium

Protection standard: IP56

Colour: grey, NCS S 6500-N



*Interface only

Typical cJoy scope of supply with remote cWing terminals and wind sensor



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