

SANSWITCH 3.0

SSW3

CONTROL UNIT FOR ELECTRO-HYDRAULIC POWER ACTUATORS

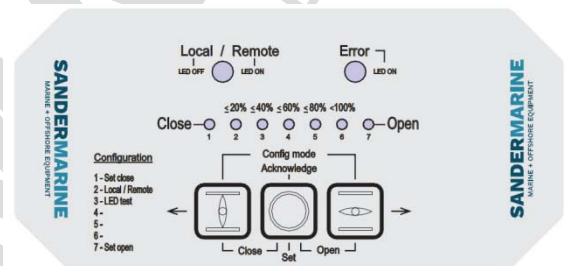
DESCRIPTION:

SanSwitch 3.0 is a control box for electro-hydraulically operated valves on marine vessels. SanSwitch is mounted directly on top of the hydraulic actuator. While the system is fully stand-alone, with emergency operability, it is still connected to the ship main automation system. This can be done either in conventional hardwired or via modbus RTU. Operators can switch from local to remote control.



FUNCTION:

- Control unit for electro-hydraulic actuators
- Operating stand-alone or connected to the ship main automation system
- Communication to the ship's integrated automation system hardwired or by modbus RTU
- Local mode and remote control
- Controlling of the operating process
- Detecting mechanical faults of the valve (e.g. valve blocked)
- Errors indicated by LED
- Temperature monitoring of CPU, actuator and control board
- End positions adjustable by teach function



APPLICATION:

Suitable for all Sander 90° part turn hydraulic actuators double acting (SHA/DA) and single acting (SHA/SA) type for ball and butterfly valves.

TECHNICAL DATA:

Input voltage: 230VAC; 50Hz;
1ph; 150W to 480W
Control voltage: 24VDC
Protection class: IP68 (1m / 60min)
Ambient temperature: max. 55°C
LPU-control: Hardwired or by modbus RTU

DESIGN:

- Aluminum box, powder-coated
- Set for mounting on actuator

TESTS & APPROVALS:

- Type approved by DNV-GL
- EMC-tested to IEC 60945
- Climate tested to IEC 60068-2-1
- IP68 protection tested to DIN EN 60529

OPTIONS:

- Monitoring of pump pressure of the local power unit (LPU)
- Monitoring of fluid pressure

Pos.	Description
1	SanSwitch 3.0 box
2	Mounting plate
3	Indicator disc
4	Cable gland
5	Pressure compensation unit

