

# Fly-By-Wire Steering



to eight stations possible.

## Engine and Rudder control

Throttle and shift control for single and twin screw vessels. Suitable for mechanical and electronic engines and gear boxes. Up

## Super soft Shifting

Clutch engagement is always gentle, with no rocking. Clutch pressure is increased steadily, not abruptly, when a Trolling Valve is installed.

Several functions are available either standard or as an option: Trolling Mode, Engine Start, Starter Lock out, Synchronizer, Speed Control, Joystick and Hover Mode.



## Docking Mode

When maneuvering at low speed, the propulsion and steering system automatically - or manually - switches into Docking Mode. Steerable Stern or Pod or Jet Drives will then be controlled individually, and available

Thrusters and Trolling Valves will be used when needed.

Even without Thrusters you get massive maneuvering power from individually steered Drives to master a side wind or current and can move in any direction.

## Rudder, Throttle and Thruster control

A Fly-By-Wire Steering Wheel makes steering easier than driving a car. Turning is gyro stabilized. Avoiding traffic becomes easy. Putting the wheel in its center detent will draw a straight line onto your plotter. By deflecting the wheel, the desired turn rate is selected. Toggle switches are used for individual Thruster control and for Speed selection in Speed Mode.



Remote control on a 20 ft. (6 m) spiral cord

## Joystick Mode

Forget complicated shift, throttle and steering-wheel combinations in close-quarter maneuvering. Simply move or rotate the Joystick into the direction you want your boat to move.

You can do all your slow-speed driving in Docking Mode. Much easier than the traditional way! And in especially tricky situations, the Joystick gives you lots of power.



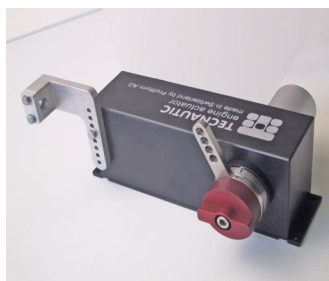
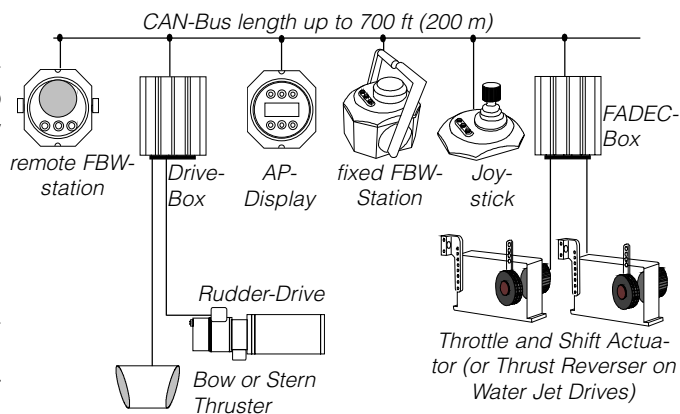
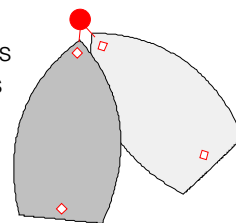
## Speed Mode

Desired Water Speed or Ground Speed can be selected with the Joystick in Speed Mode, similar to common automotive Speed control on the road.

## Hover Mode and Anchor Mode

By pressing a button, present Satellite-Position is held automatically. A desired relative wind angle or a heading may be selected while hovering. Perfect feature for waiting at the fuel dock or for a bridge or a lock to open.

In **Anchor Mode** the boat is tied to a virtual buoy. Works also on single screw boats without thrusters.



Throttle or shift actuator for mechanically operated engines. Torque 200 ins.lbs. (22 Nm), pulling force 90 lbs. @ 3 in. travel (400 N @ 80 mm), weight 4 lbs/1.7kg

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