

MICROSHIFT Propulsion Control Systems

RADAMEC RCS™
CONTROL SYSTEMS LTD

www.radamec-controls.co.uk

MICROSHIFT Propulsion Control System

Microshift provides the 'all-in-one' safe and dependable control of vessels with fixed pitch propellers and reversing gearboxes. Microshift is a proven control system that provides sequential control and safety interlock for the engine speed and gearbox clutches.

AG6324/M controller (illustrated) provides a mechanical control interface for both engine speed setting and clutch control. Emergency manual control is provided via the external levers.

Vessels requiring either electronic or electric control of engine speed or clutch will use the AG6324/M2 controller.

Up to four control stations can be connected with a choice of control station transfer options.

ACTUATOR DESIGN

The actuator stepper motor design requires no reduction gearbox thereby giving smooth and precise control. The actuator can be back-driven with the power off, providing a convenient emergency manual control facility.

FEATURES

- Engine start inhibited unless system is on and clutch actuator is neutral.
- Engine rpm increased during clutch engagement (speed boost).
- Variable delay on opposite direction maneuvers.
- System self diagnostic via 12 status LEDs.
- Volt-free output to operate ships alarm system.

ADJUSTMENTS

Actuator travel and direction reversal.

Clutch engage speed boost time and level.

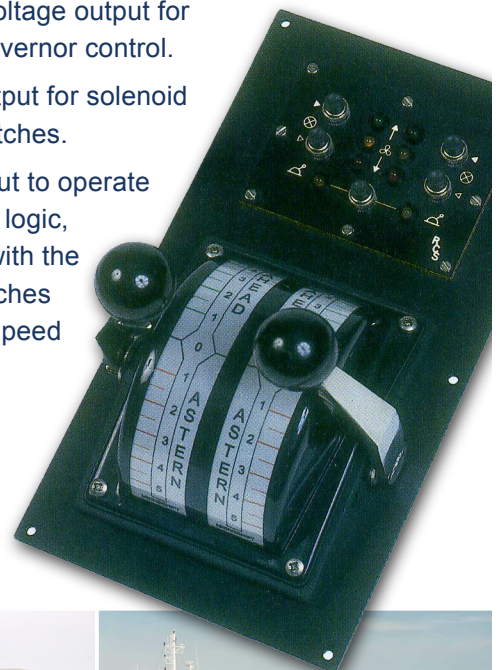
Control station transfer options.

Opposite direction delay options with clutch held engaged or set to neutral.

Engine throttle ramp adjustment.

Additional Features with the AG6324/M2 Controller

- Current or Voltage output for electronic governor control.
- Switched output for solenoid operated clutches.
- Voltage output to operate trolling valve logic, sequenced with the gearbox clutches and engine speed control.



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