

NAVITRON SYSTEMS LTD

POWER STEER CONTROLS

Navitron Power Steer controls are intended for installation in sheltered (bridge or wheelhouse) locations and are suitable for use as single or multistation units with all Navitron autopilot types.

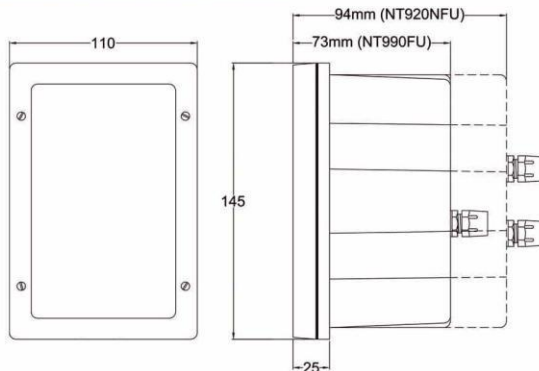


Fully Type Approved and Wheelmarked for inclusion in NT921G/951G and NT990G/991G Autopilot Systems, the NT920NFU is a dual function device which enables permanent (NFU) and temporary (DODGE) heading changes to be ordered at locations remote from the autopilot control unit.

When set to the Dodge mode, movement of the sprung to centre jog lever produces a fixed amount of Port or Stbd rudder (as appropriate) to turn the vessel. When the jog lever is released to centre the applied rudder is removed and the vessel returns to the original heading.

When NFU is selected, the autopilot course setter is automatically switched to a 'tracking' mode. Subsequent movement of the jog lever produces a turn to Port or Stbd (as appropriate) which is 'tracked' by the course setter card as the vessel is power steered to a new heading. When the required new heading is attained and the NT920NFU switch is set to DODGE or OFF, the autopilot course setter card immediately 'locks' and the autopilot resumes control to maintain the vessel on the new (current) heading.

**Model NT920NFU
Non Follow Up Control**



Model NT920NFU & NT990FU Outline Dimensions

The NT990FU (Full Follow Up) Control also enables permanent (POWER STEER) heading changes to be ordered at locations remote from the autopilot control unit.

The direction of movement of the NT990FU lever (right or left) to initiate Port or Starboard rudder movement is installation selectable and automatically results in reversal of the corresponding red and green sectors on the control panel. This is achieved by bi-colour backlighting which is variable via the ILLUM key.

Two installation programmable modes are available to the operator via the RANGE key. Range 1 can, for example, provide linear $\pm 40^\circ$ rudder movement for normal operating use whilst Range 2 can be customised to suit special work requirements (alternative rudder angles, linear or non linear)

When the NT990FU is engaged (ON) and the vessel is power steered to a new heading by this means, the autopilot course setter card 'tracks' ships head. On attainment of the new heading required, the NT990FU key can be set to OFF at which time the course setter card automatically 'locks' and the autopilot immediately resumes control to maintain the vessel on the new (current) heading.



**Model NT990FU
Follow Up Control**



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