

THE NM692 AND 693 SERIES OF AUTOPILOT SYSTEMS CONSIST OF THE FOLLOWING:-

Control Unit

Type 692CU and 693CU

This is available for either flush or bracket mounting. The controls are located on an attractive internally illuminated panel. 5 metres of cable are provided, connected to the control unit by means of an enclosed plug and socket.

LENGTH	9 ⁵ / ₁₆ in	244mm
DEPTH	6 ¹ / ₂ in	165mm
HEIGHT	6 ⁵ / ₁₆ in	168mm
WEIGHT	10 ¹ / ₂ lb	4.8kg

COURSE SETTER

Large diameter with illuminated pointer for precise setting.

TRIM CONTROL

Compensates for weather helm, turning effect of propeller etc.

ILLUMINATION CONTROL

Controls panel lighting.

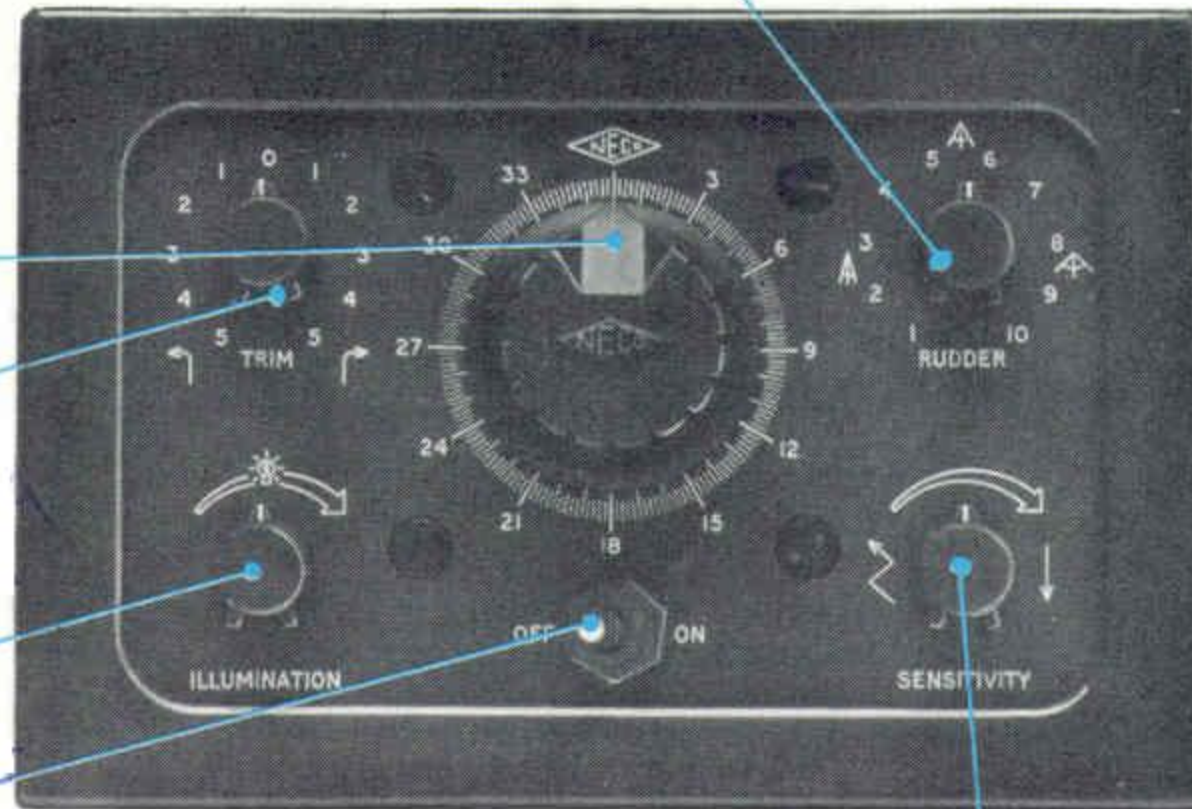
ON-OFF SWITCH

Automatically energises pilot, engages and releases clutch.

RUDDER CONTROL

Increases or decreases rudder angle to cater for differing steering characteristics and conditions.

Preset counter rudder control (693 only).



SENSITIVITY CONTROLS

Tunes pilot for optimum steering or to the desired yaw band.

Compass Unit

Type NM3

A weatherproof, transmitting magnetic compass with a built in sensor. Each unit is tested from -20°C to +60°C. It is mounted in gimbals, or alternatively, in a locking bracket. The unit is supplied with factory-fitted cable-end terminations and a connector box to facilitate installation and removal. The compass may be placed anywhere in the craft where deviations, and/or movement are small.

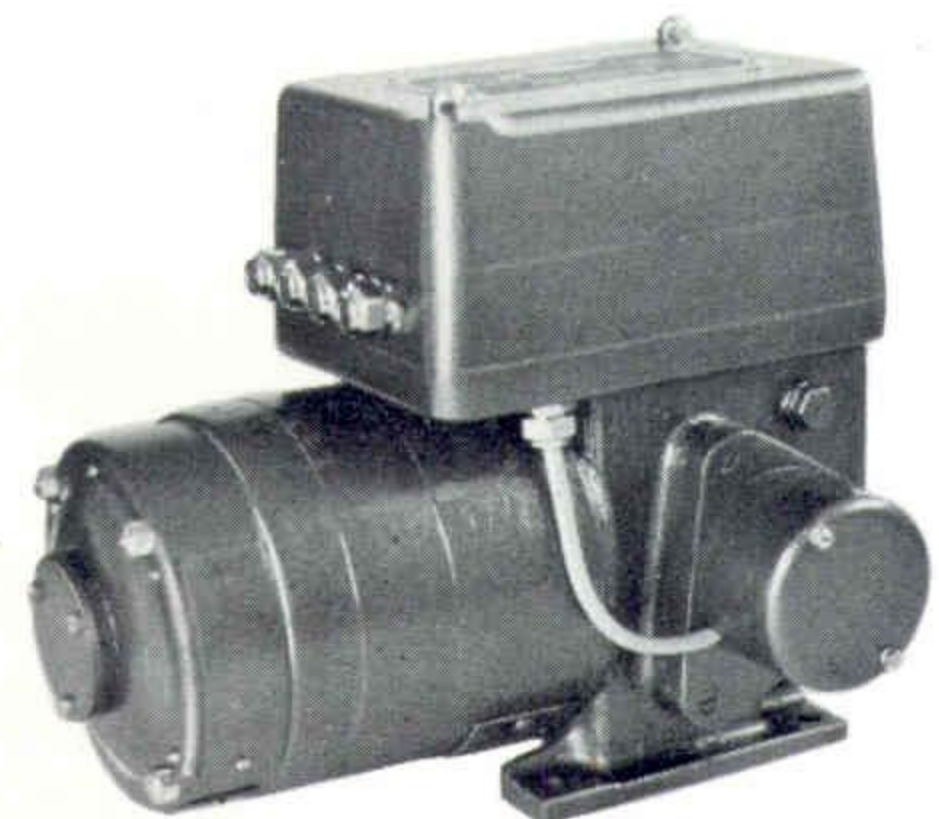


Length	9 ⁷ / ₁₆ in	240mm
Width	7in	178mm
Height	7 ¹ / ₈ in	181mm
Weight	5 lb.	2.3kg

Drive Units

Types 35DR8 or 17DR8 for NM692

A Neco Geared Motor drives the output shaft at nominally 35 r.p.m. or 17¹/₂ r.p.m. through a multi-tooth, electro-magnetic clutch. Drive is from a ⁵/₈" dia. output shaft (milled to accept ³/₁₆" featherway key) and is normally connected to the steering gear by chain and sprocket, moving the rudder through its full range in approx. 15 seconds in standard installations. Limit switches are fitted to prevent possible mechanical damage and are contained in the integral feedback section. Conveniently located on top of the motor are the fuses, relays and terminal block for wiring connections. Factory-fitted trailing power input leads, five metres in length are supplied as standard, other lengths to order.



Length	12in	305mm
Width	9 ¹ / ₄ in	235mm
Height	10 ¹ / ₄ in	261mm
Weight	40 lb.	18kg

FULL LOAD TORQUE AT O/P SHAFT

35DR8	12 lbf. ft at 12v ,	15 lbf. ft at 24v or 32v
17DR8	16 lbf. ft at 12v ,	20 lbf. ft at 24v or 32v

Output shafts, turns hardover to hardover

35DR8 = 9
17DR8 = 4 ¹ / ₂