

Systems: Integrated telegraph system



The control units of the types BUK-B, BUK-C and Pointer WD can be supplied with an analogue integrated emergency telegraph system of the 'pointer' type. The BUK-B in the twin lever execution can be equipped with twin pointer telegraph systems, whereas the BUK-C only has room for a single system. The pointer telegraph is a communication system designed to send orders from the bridge or bridge annexes to the engine room or engine control room. Whenever a new command is being issued, the telegraph alarm will be switched on. In order to mute the alarm, the command must be acknowledged at the selected position by moving the control lever to the position requested.

Precision potentiometers are used to transmit the orders. DC servo motors (RSM4) are used for moving the pointers along the scales of the control units. The system can be switched from telegraph mode to Remote Control (RC) mode by means of a single contact. In RC mode, the telegraph alarm is disabled. The wheelhouse unit's reply pointer is now connected to its own command lever. RC mode is used to control the main engine directly from the wheelhouse by means of signal transmitters e.g. a potentiometer or 4-20mA module.

Specifications

The bridge- and ECR or ER transmitter potentiometers are connected to the amplifier inputs, and to the receiver motor units of the other position. With both command levers in the same position, there will be no voltage at the amplifier output and the alarm will be off.

When either command lever is moved, the output will be driven high and the alarm will sound. Relay K2 selects which position is on service, relay K1 selects either R.C. or telegraph mode.

