TELERAD

Aeronautical and Maritime Radiocommunication Systems

MAIN / STAND-BY AUTOMATIC SWITCHING UNIT

BNS960

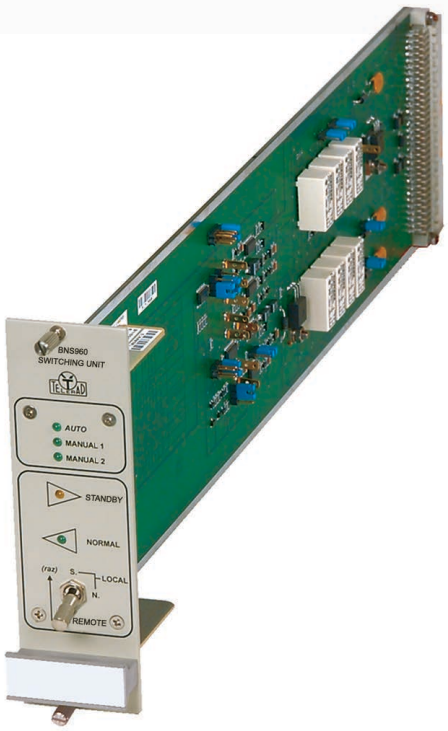
OVERVIEW

The switching unit BNS960 permits the switching of two transmitters, two receivers or two transmission/ reception units. It enables to change over all operation and antenna controls towards the Standby equipment when a problem is detected on the Normal equipment.

Changing over may be carried out either in Automatic mode or in Manual mode. In Manual mode, the changing over of the frequency operation of the Normal equipment towards the Standby equipment is carried in local, from the front panel, or remotely by means of its remote control input. In Automatic mode, the changing over is carried out after a failure has been detected on the Normal equipment.

Configurations by jumpers are provided on the P.C.B. of the switching unit so as to make it operate in transmission, reception or in transmission/reception, as well as in Automatic or Manual mode.

The switching unit BNS960 has the shape of a pluggable P.C.B. integral with a front panel 1/12 standard rack 19", height 3 U.



GENERAL CHARACTERISTICS

This equipment is designed to be installed and fixed in a support frame (3 U, 19").

The switching unit BNS960 is mainly used for switching.

Connections to the remote control units of the transmitters or of the receivers and for operation of the whole unit are carried out at the rear side of the support frame, on a mother board, by means of flat cables.

External power supply:
24 to 31 V ; 1 A
Normal/Standby change-over time:
60 ms (with coaxial relay)

MECHANICAL CHARACTERISTICS

Overall dimensions of the P.C.B.:
437 mm
Dimensions of the front panel:
129.2 mm x 39.6 mm (with coaxial relay)
Weight of the P.C.B.:
260 g

CLIMATIC CHARACTERISTICS

Operating temperature :
- between -20°C and +55°C
- 95 % relative humidity at 40°C (non-condensing)

Storage temperature :
-40°C to +80°C

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