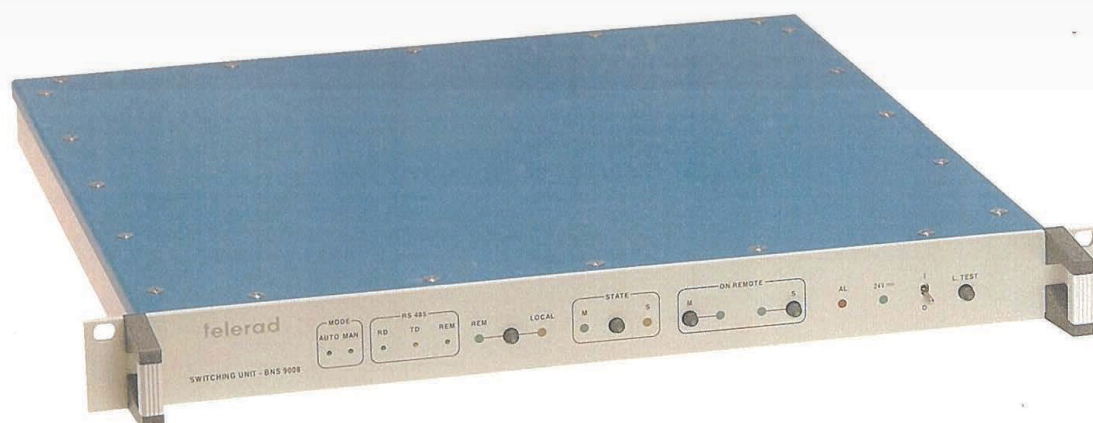


**TELERAD**

Aeronautical and Maritime Radiocommunication Systems

**MAIN / STAND-BY  
AUTOMATIC  
SWITCHING UNIT****BNS9008****OVERVIEW**

The switching unit BNS9008 is designed to ensure the commutation between two Main and Stand-by transmission or reception equipment.

This switching unit may be :

- MANUAL, from the front panel, or remotely
- AUTOMATIC, when an equipment is faulty.

The management is ensured by a microcontroller (HC11).

The BNS9008 is equipped with a series link RS485 access - four wires under JBUS protocol - permitting its monitoring and remote control.

The connection is wire-to-wire compatible with the connection of the series 9000 transmission and reception equipment.

The BNS9008 has the shape of a pluggable drawer unit, with the dimensions of a standard rack 19", height 1 U.

All the connections are performed on the sockets of the rear panel.

## ■ GENERAL CHARACTERISTICS

### Remote monitoring link :

- Interface RS485, four-wire differential
- JBUS protocol (function codes: 3, 10 and 6)
- Programmable to 1200, 2400, 9600 and 19200 bauds
- NRZ format, 1 start bit, 8 data bits, 1 stop bit, no parity
- Address: configurable from 1 to 255
- IDLE number: configurable from 3 to 255

### Power supply:

+24V<sub>DC</sub> (21 - 31V) negative grounded

### Consumption:

< 400 mA

### Number of pieces of information switched:

12

### Call reception output:

on a dry contact

### Change-over time:

< 300 ms in AUTOMATIC mode

## ■ MECHANICAL CHARACTERISTICS

### Front panel dimensions :

483 mm x 44.5 mm

### Overall depth (including sockets):

445 mm (approximately)

### Weight:

2.6 kg

## ■ CLIMATIC CHARACTERISTICS

### Operating temperature :

- between -20°C and +55°C
- 95 % relative humidity at 40°C (without condensing)

### Storage temperature :

-40°C to +80°C