

## BALBOX RS422 Data Routing Switch



### FEATURES

- **Routing of RS422 (4-wire)**
- **8 RS422 inputs**
- **1 RS422 output**
- **Local route selection**
- **Remote route selection through GPI**
- **Integral mains power supply**

The *BALBOX* SDRS010 is an 8x1 switcher for RS422 data, typically for routing of remote panel and machine control data.

The switcher will ensure that both Tx and Rx data is correctly routed between source and destination. The inputs and outputs are taken through a 50way D-type connector in view of the compact nature of the switcher. Breakout cables to 9-way sub-miniature D-type connectors are available.

Local control may be through a small rotary switch to route one of the eight inputs to the output, or the unit may be controlled remotely with GPI signalling.

The unit has an integral mains power supply (universal 90 to 250Vac range) with filtered IEC connector for safe and reliable installation.

The SDRS010 is housed in a robust steel case, and may be combined with other *BALBOX* units, notably the SVRS010 serial video switcher and the SARS010 AES/EBU digital audio data switcher, in a simple 1U tray.

# SPECIFICATION – SDRS010

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## DATA PATHS

No of sources: 8  
No of destinations: 1  
Signals: 4 wire Tx+/Tx-, Rx+/Rx-  
Receive sensitivity: 200mVp-p min, 7Vp-p max  
Transmit levels: 3Vp-p across 110ohm  
Impedance: 110ohm

## CONTROLS

A six position DIP switch controls selection of the following:

Switch 1: Local/GPI control  
Switch 2-6: not used

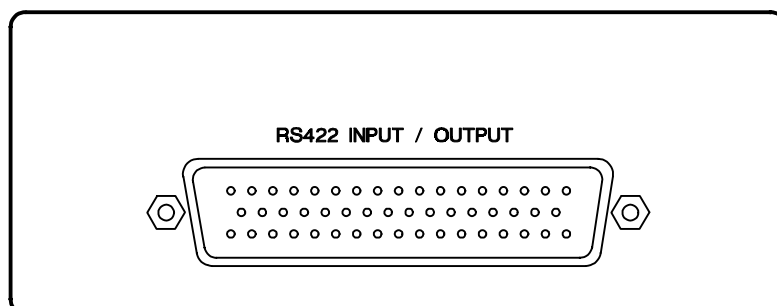
Rotary switch (0-7): local route selection

GPI port: 9-way sub-miniature D-type socket

## INSTALLATION DATA

Package: Standard *BALBOX* housing, with one 50way subminiature D-type socket and one 9-way sub-miniature D-type socket for GPI  
190 x 103 x 42.4mm.  
Weight: 950g.  
Mains supply: 90 – 250Vac  
Consumption: <15VA

Refer to *BALBOX* data sheet for information on 1U tray - **BOXRACK**



**Rear Connector**

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## **ORDER CODE**

**SDRS010**

**SDRS010BC001**

**BOXRACK**

## **DESCRIPTION**

BALBOX RS422 Data Routing Switch.  
SDRS010 Breakout cable to nine 9-way sub-miniature D-type sockets with 1 metre cables  
Tray to hold up to 4 *BALBOXes* in 1U 19" rack.