



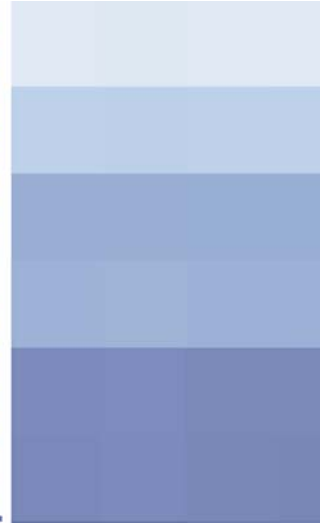
Broadband switch controller

This Broadband switch controller is designed to allow the remote control of up to 4 off 32x1 switch modules (see Model 23124-S5) to build a 128x1 switch. The remote switches can be controlled by ethernet interface with the controller facilitating a geographically separated system with centralised monitoring. The controller can be locally controlled from the front panel and remote controlled by a Telnet console interface.

The controller also reports any switch failures back to the M & C system and has dry contact alarms for PSU failure.

This unit has SMA connectors but others are available (model numbers will vary). Similarly a version with dual redundant power supplies is also available.

product overview



Key features

- 4 x 1 switch controller to create a switch system up to 128 x 1
- 50 to 2150 MHz operating range
- 50Ω SMA connectors
- 19" rack unit, 1U high
- Ethernet or serial control of remote switches
- Power requirement 90 to 264 V AC, 50/60 Hz, IEC inlets



Fig. 1 – 1U model 23125 4x1 switch controller shelf (above) with single 32 x 1 remote switch (the controller can be used to make a distributed 128x1 switch in 4 locations).

Model 23125-S5

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L-band switch controller - Technical Summary



Fig. 2 – 1U model 23125 switch controller – rear view showing ethernet and serial control ports for remote switches.

Other information

- 3 digit LED display to show selected input
- Single power supplies and mains inlet
- Dry contact alarm for PSU failure
- 1U high 350mm 19" shelf
- Colour – Light Grey RAL 7035.

Parameter	Model 23125-S5
Capacity	4 x 1
Frequency	50-2150MHz
Impedance IN	50Ω
RF Port IN	SMA
Impedance OUT	50Ω
RF Port OUT	SMA
Isolation	45 dB typically
Frequency response	±1.5 dB
Input Return Loss	12 dB typically
Output Return Loss	12 dB typically



Model 23125-S5

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