



**Model Number: 23132-S5S5**

RF Engineering  
and Custom Build

# 16 x 1 L-band High Power (35dBm) Switch

With Local and Remote Control (via RS232 or RS422/485 Serial Port)

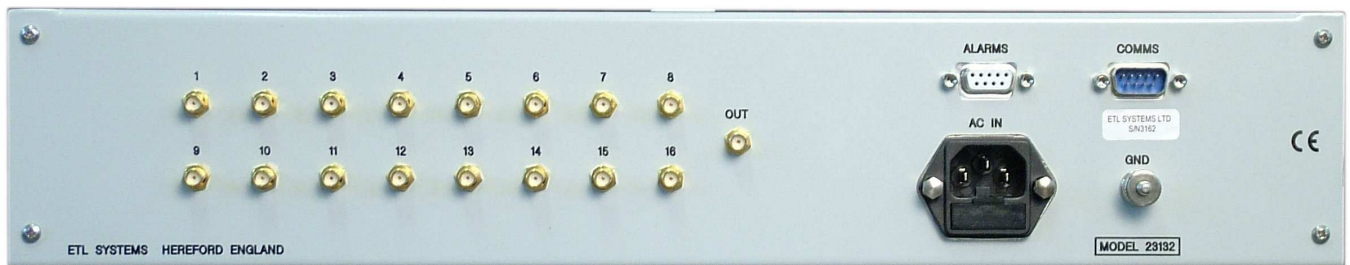


This 16x1 switch operates over the L-band frequency range of 800–1000MHz. The unit offers very high performance with fast solid state switching, high isolation, and nominal unity gain.

Front View of Model 23132-S5S5

The unit can be controlled locally from illuminated push buttons on the front panel, which allows switching of the inputs to the outputs, and also remotely via an RS232 or RS422/485 serial port on the rear panel.

The switch is powered from a single mains power supply. An LED on the front panel shows the power on/off status, and there is a dry contact alarm port on the rear panel for PSU failure.



Rear View of Model 23132-S5S5

This unit has 50 ohm SMA connectors, but other impedances and connector types are available (model numbers will vary).





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## Technical specifications and operating parameters

RF Parameters		
Capacity	16 x 1	
Switch Type	Solid State	
Frequency Range	800-1000 MHz (L-band)	
Operating Power	+ 35 dBm max	
Isolation	I/P - O/P	45 dB typical
	I/P - I/P	35 dB typical
Insertion Loss	3 dB typical	± 1 dB
Gain Compression	+ 40 dBm	typical P1 dB
Input Return Loss	>15 dB typical	
Output Return Loss	>15 dB typical	

System Control		
Local Control	Via front panel illuminated push buttons	
Remote Control	Via rear panel serial port (RS232 or RS422/485). User configurable	Via 9-way female D-type connector, simple protocol for integration to M&C system

Environmental	
Operating temperature	0 to 50°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Physical	
Input Connector	SMA
Input Impedance	50Ω
Output Connector	SMA
Output Impedance	50Ω
Dimensions	2U high x 450mm deep x 19" wide
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	90-264V AC (50/60Hz), Fused 2A
PSU	Single
Hot-swap PSU	None

Key Features	
High Power (+35dBm) Switch	
Local and Remote Control	
Single power supply	

ETL SYSTEMS LIMITED  
Coldwell Radio Station  
Madley  
Hereford  
England HR2 9NE

TELEPHONE  
+44 (0)1981 259020

EMAIL  
info@etlsystems.com

FACSIMILE  
+44 (0)1981 259021

WEB  
www.etlsystems.com

