LS Series Monitoring Switch

ETL's LS series range of RF Switches are designed principally for satellite signal carrier monitoring applications.

They are available in capacities of 8x1, 16x1 and 32x1 and can be linked together if the number of feeds is larger. Each LS switch is designed to deliver a high quality signal to a test and measurement system.

The LS Switch design can also be used as a single input to multiple outputs allowing a signal to be switched to different IRD / modems.

The range uses solid state switches and so benefits from long life and excellent RF performance. Resilience is designed in with dual redundant power supplies.

16x1 Switch

8x1 Switch

32x1 Switch

LS Switch Summary

Features						
Model	23225	23226	23227	23228	23229	23230
Frequency	50-2450 MHz (IF to extended L-band)					
Switch Type	Solid state					
Capacity	8x 1	16 x 1	32 x 1	1 x 8	1 x 16	1 x 32
Remote Control & Monitoring	RS232/RS485 Serial port, RJ45 Ethernet port, SNMP & Web Browser Interface					
Local Control	LCD & push buttons					
Dual Redundant PSUs	Yes					
RF Parameters						
Frequency	50-2450 MHz (IF to extended L-band)					
Flatness	± 0.8 dB					
Isolation (I/P-O/P)	75 dB					
Gain	0 dB ± 1.0 dB					
1dB GCP	13 dBm			10 dBm		
Input Return Loss	20 dB typical					
Output Return Loss	20 dB typical					
Noise Figure	16 dB typical			13 dB typical		
General Specifications						
PSU	Dual Redundant					
Hot-swap PSU	Yes					
System Control	Local & Remote Control					
Operating Temperature	0 to 45 ˚C					
Storage Temperature	-20 ˚C to +75 ˚C					
Location	Indoor use only					
Humidity	20-90% non-condensing					
Dimensions	1U high x 350mm deep x 19” wide					
Weight	4 kg					
Colour	White (RAL 9003 semi-matte)					
RF Connectors & Impedance Options	50Ω BNC, 50Ω SMA, 75Ω BNC & 75Ω F-type					

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.
Note 3: The specifications above are based on 50Ω SMA connectors. Specifications may vary for other impedances and connector types.

ETL Systems Ltd, Coldwell Radio Station,
Madley, Hereford, England HR2 9NE
info@etlsystems.com
+44 (0)1981 259020