

## ***Indoor Enclosures and Power Supplies***

- ***IEC297 & EN60950 standard 19" sub racks***
- ***CE Approved and EMC compatible***
- ***Economical and compact 1U sub-rack and standalone module options***
- ***Plug and forget format***
- ***All modules are hot swappable in the field***
- ***Front-entry module insertion for easy installation and swap-out***
- ***Back plane connectivity to safeguard service connections***
- ***Dual redundant power supplies to guarantee maximum uptimes***

### **Versatile Range of Enclosures**

**ViaLite** is an analogue and data fiber optic transmission platform for all types of installation. The sub-rack chassis designs deliver high levels of reliability through backplane connectivity and front-entry plug-in module installation. All **ViaLite** modules are hot swappable, avoiding the need to power-down the rack prior to swapping-out defective modules.

The LRK2S 3U sub-rack accommodate up to 8 plug-in RF/data modules and 2 plug-in power supplies. Hot-swappable dual power supply capability provides full redundancy and maximum reliability to avoid traffic loss and service down-time in the event of a power failure. The chassis sub-rack incorporates a backplane PCB for the distribution of DC power, status alarms and data. A dry contact summary alarm output is also available for single point detection of any failure in the sub-rack.



For compact, discrete installations the 75004 1U 19" sub-rack option (shown on the left) is available. It accommodates up to 3 modules, and has an integrated power supply.

**ViaLite** plug-in modules simply plug into the chassis, allowing the installer to quickly and easily upgrade the system with additional modules at any time. Alarm and monitoring system ranges from simple front panel module failure LED indication, to local and remote end alarm notification and redundancy switching. All the module alarm outputs are routed to a single D-type connector on the rear panel of the case. This facilitates the integration of the **ViaLite** equipment into the Network Operators M&C system. System health can be monitored using the **ViaLite** SNMP Network Monitoring Module, enabling the Network / System Engineer to monitor module status remotely over Ethernet /LAN.



The converter sleeve 75003 (shown on the left) converts the standard plug-in module into a standalone unit, ideal for service distribution to a number of remote sites.



## 19" Rack Power Supplies



The 14HP wide, 3U high LPS-M and LPS-R mains power supplies provide 12V DC power to all plug-in modules housed in the 19" rack case. Together the modules provide dual power redundancy operation. Separate mains inputs mean that they can be operated from different power supplies for even higher levels of reliability. During normal operation, the LPS-M provides most [80%] of the demand current. The units are fan-cooled for maximum reliability, and each individual PSU offers an MTBF in excess of 130,000 hours at an ambient temperature of 50°C. The LPS-M and LPS-R can be specified with the following input voltages; wide range (90-264VAC) AC, 12V DC, 24V DC or 48V DC.



### Panel Mounting 12V Mains Supply

A panel mounted power supply with 15-way D-type connector is available for connecting to the **ViaLite Converter Sleeve 75003**. This offers a compact, simple solution to power standalone plug-in modules. This option is suitable for demanding, high reliability applications.

### Technical Specifications

	LRK2S	75004 75004-24 (24V DC Variant) 75004-48 (48V DC Variant) 75004-LRC (SNMP Compatible Variant)	75003
			
Description	19" Rack Mounting Case	19" Rack Mounting Case	Standalone Converter Sleeve
Maximum Plug-In Modules	8	3	1
19" Rack Mounting	Yes	Yes	No
Desktop Mounting	Not Suitable	Yes	Yes
Height	132.6mm (3U)	44mm (1U)	160mm (including mounting bracket)
Width	448.8mm (84HP)	448.8mm (84HP)	190mm
Depth (excluding modules)	325mm	191.3mm	38mm (7HP)
Weight (excluding modules)	5kg	2.35kg	600g
Operating Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Power Supply Compatibility	LPS-M and LPS-R AC and DC options	Input Range: 75004 is 90 to 264VAC 75004-24 is 24VDC 75004-48 is 48VDC	LPS-CS Input Voltage: 90 to 264VAC, 50/60Hz, 0.75A max Output Voltage: 12V ±0.25V to 1A
ViaLite Plug-In Module Compatibility	All types	All types	All types except SNMP
Data Connector	15way Female D-Sub with screw lock termination for each module position. Data input/output for data modules. Auxiliary DC output (module type dependent)		
Alarm Concentrator Connector	This concentrates the alarms from each module to a common point for access by the user. (CONN9 25way Female D-Sub with screw lock termination). A +12V supply is available at the connector. Maximum current from the connector is 250mA.	Not Available	Not Available