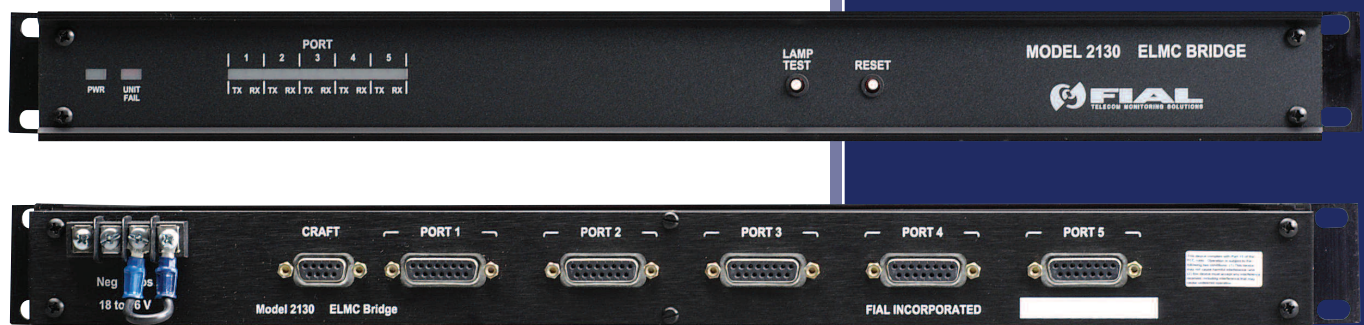


ELMC Five Port Bridge Model 2130

- Up to five way bi-directional bridging of Extended Link Monitor Channel (ELMC) protocol
- Two ports can create ELMC ring protection
- Multiple bridge concatenation for bridging beyond five ports
- Format conversion between async 19,200 baud and synchronous (e.g. channel bank) connections
- 1 RU high
- Multiple rack mounting positions
- 18 to 56 VDC floating power supply

Key Features:

- Ring and Linear Operation
- Bridging and Filtering
- Embedded Craft Interface
- Remote Access
- Telemetry Performance Data
- Wide Range DC Power Input
- Proven ELMC Compatibility
- Synchronous and Asynchronous Operation



Model 2130 Characteristics

Telemetry Channel Interface

Five Communication Ports	All ports RS-422 (RS-530/RS-449/V.35 compatible)
15-pin female D-Sub (DB15F) shielded	Asynchronous (async) or Synchronous (sync) Async Mode (bridge to radio): 19.2 kb/s, 8/N/1, all ports Sync Mode (bridge to bridge): 19.2 to 75 kb/s, DTE, all ports Port 5, switch selectable DTE or 64 kb/s DCE Mode automatically sensed at startup Bad packet suppression optional DTE accepts clock, DCE supplies clock
Ports 1 & 2	Ring or local drop
Ports 3 & 4	Local drop
Port 5	Local drop or connection to another bridge
Bridging Modes, Ring	Hub plus Selective
Bridging Modes, Linear	Hub, Switch Polls and Switch All plus Selective
Performance Data	Packets, buffers, comm errors and ring faults

Craft Configuration Port

9-pin female D-Sub (DB9F) shielded	RS-232, ASCII, 19,200 baud 8/N/1, no parity, no flow control Embedded local configuration program (remote bridge access via Windows program and ELMC port – laptop needs RS-232 to RS-422 converter)
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LED Indicators

Unit power and unit fail
Port TX & RX activity

Power

Input Power Range	18 to 56 VDC, floating
Power Consumption	4 Watts
Power Connection	Barrier Strip, two #6 screws (separate chassis ground strap)

Environmental

Operating Temperature	0° to +50° C
Humidity Range	5% to 95%, Non-condensing Storage
Temperature	-40° to +70° C

Physical Characteristics

Shelf Size	1.75" H (1 RU), 19" W, 11" D
Rack Mounting	Flush, 2" or 5-1/8" projection
Shelf Weight	6 pounds

Fial Incorporated has developed a nationwide reputation for the design of microprocessor-controlled hardware and the development of software for custom applications at a competitive price.

We have been in business since 1978 with one basic objective: to provide functional, cost-effective solutions while maintaining strong communication links with every customer.

Fial Incorporated's products encompass a wide range of telecommunications alarm monitoring equipment that support multiple protocols including SNMP, MCS-11, TBOS, ELMC and TL-1. Our devices include protocol converters, remote encoders, synchronous packet data bridges, baseband and IF protection switch products, and other specialized equipment.

