



#### FEATURES

- 2Ru 19" rack
- Clear zinc passivated steel chassis
- Dual redundant IEC mains supplies
- 8 X independent isolated channels
- 2 X RS422 DB9F outputs per RS422 DB9M input
- 8 X RS232 DB9F monitor ports
- Monitored output port indicators

#### OVERVIEW

The CE-0045A 8 channel RS422 splitter unit provides 8 independent and isolated channels of dual RS422 data and clock signal outputs from each RS422 DTE input. Each channel includes an RS232 DB9F port for monitoring purposes. Also every physical RS422 output pin is monitored for display on the front panel indicators so shorted lines will be detected.

As this unit is designed for mission critical operation it is also equipped with dual automatically switched redundant main supplies each separately fused etc and each with it's own IEC mains power socket.

#### PHYSICAL DIMENSIONS

88mm H x 484 mm W x 300mm D

#### DOCUMENTATION

A Maintenance Manual is provided with each unit that has following details:

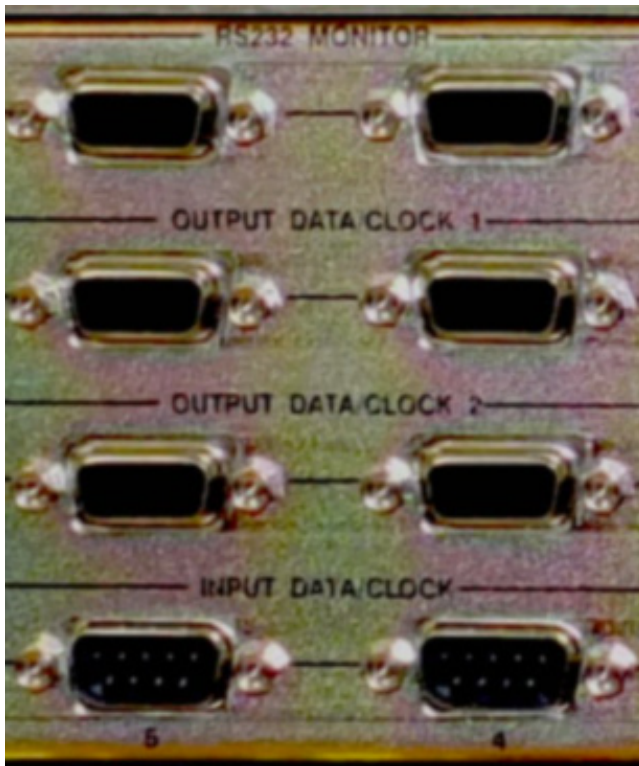
- Technical Description
- Circuit Diagrams
- Parts Listing
- Certificate of Conformance

#### STANDARDS

The CE-0045A conforms to the following Standards:  
AS/NZS 3260:1993 (including amendments 1,2,3,4)  
AS/NZS CISPR 22:2006  
EIA 232C, EAI RS422

#### EIA 422A REAR PANEL PORTS

(showing channels 4&5)



INPUT PORT			
8	RxClock A	9	RxClock B
2	RxData A	1	RxData B
5	Signal ground	6	Protective Ground

OUTPUT PORT			
8	TxClock A	9	TxClock B
2	TxData A	1	TxData B
5	Signal ground	6	Protective Ground

MONITOR PORT PINOUT			
2	RxData	8	RxClock
5	Signal ground	6	Protective Ground

#### OUTPUTS

- Green LEDs are used to indicate the data and clock signals. The output signal itself is read and buffered so that line faults such as shorts can be detected.

#### DATA SPEED

- 115Kbps RS422 inputs and outputs

#### ENVIRONMENT

- Operating temperature range 0 to 70 °C

#### POWER

- This LED indicates that the internal regulated 5V supply is operating.

#### POWER REQUIREMENT

- Nominal 240VAC 50/60Hz @ 37ma typical

#### WEIGHT

- Approximately 3.4 kgs