FEATURES

- 2RU 19" rack
- Clear iridited aluminium finish
- 8 X RS422 output channels
- Front panel monitor port
- RS232 or RS422 input
- Individual data & clock indicators

INTRODUCTION

The CE-0027A 8 channel RS422 splitter unit provides 8 RS422 data and clock signal outputs from either a RS232 or RS422 processed radar data and clock signal input based on the RS530 standard according to a DTE device. The input data and clock signals may be monitored at the front panel RS232 DB25F connector.

WE DELIVER ANYWHERE

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CE-0027A
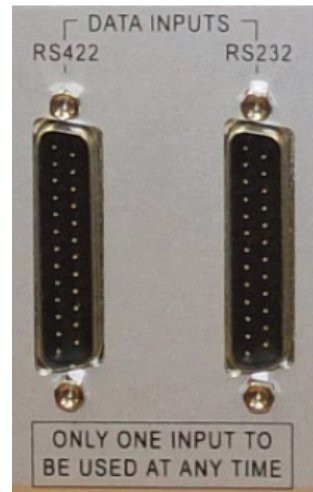
8 CHANNEL RS422 SPLITTER

INPUT CONNECTIONS

Two input connectors, each a DB25M, are available at the rear of the unit for connecting RS232 or RS422 processed radar data and clock signals according to a DTE device respectively.

(Only one input can be used at any one time).

The CE-0027A will respond automatically to whichever input is used as long as the connector is properly wired.

The INPUT MODE indicator will indicate which mode is in use.
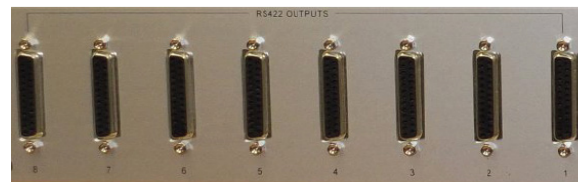
RS232 INPUT on DB25M

3	RxData	17	RxClock
12	RS232 Enable link <----->	24	RS232 Enable link
7	Signal ground 1	1	Protective Ground

RS422 INPUT on DB25M

3	RxDataA	16	RxDataB
17	RxClock A	9	RxClock B
11	Enable link <----->	23	Enable link

OUTPUT CONNECTIONS

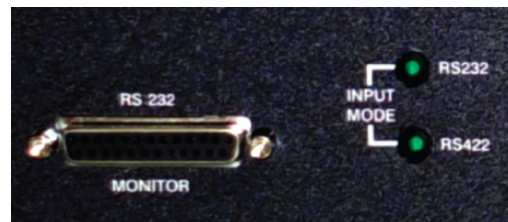RS422 output data and clock signals are available at each of the eight rear panel DB25F connectors.

RS422 OUTPUT on DB25F

3	TxDataA	16	TxDataB
17	TxClock A	9	TxClock B
7	Signal ground 1	1	Protective ground

INPUT MONITOR PORT

The input port either from the RS-232 or RS-422 connector can be monitored via a front panel DB25F connector which is configured as an RS-232 DCE device and is available to monitor TxData and TxClock signals.

MONITOR PORT PINOUT

3	TxData	17	TxClock
7	Signal ground 1	1	Protective Ground

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CE-0027A

8 CHANNEL RS422 SPLITTER

INDICATORS

MODE

The RS232 or RS422 input mode LED will indicate which input connector is plugged in. This connector must be linked correctly.

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.

POWER

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

DATA SPEED

64Kbps maximum for both RS232 and RS422 Inputs

POWER REQUIREMENT

Nominal 240VAC 50/60Hz @ 65ma maximum

ENVIRONMENT

Operating temperature range 0 to 70 degrees C.

PHYSICAL DIMENSIONS

Width	484 mm
Depth	300mm
Height	88mm

WEIGHT

Approximately 2.65 kgs

DOCUMENTATION

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

1. Technical Description
2. Circuit Diagrams
3. Parts Listing
4. Certificate of Conformance

STANDARDS

The CE-0027A conforms to the following Standards:

AS/NZS 3260:1993 (including amendments 1,2,3,4)

AS/NZS CISPR 22:2006

EIA 232C

EIA 422A