

INSTRUCTION MANUAL

MODEL 1583-09 Data Splitter

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<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
Warranty	2
1.0 General	3
1.1 Equipment Description	3
1.2 Technical Characteristics	3
2.0 Installation	4
2.1 Input & Output Connectors	4
2.2 Indicators	5
2.3 Mechanical	5
2.4 Installation/Operation	5

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1583-09 DATA SPLITTER

1.0 General

1.1 Equipment Description

The 1583-09 Data Splitter provides 9 RS232C outputs of the data signal (pin 2 of the DB9 connector). One of the outputs is a hard wired pass through of the input which can be used for very important functions or to further split the data. Dual power supplies provide redundant power to the 1583-09 with front panel LEDs indicating proper power supply operation. The unit is housed in a 1 3/4", rack mount chassis and all data connectors are DB9, female.

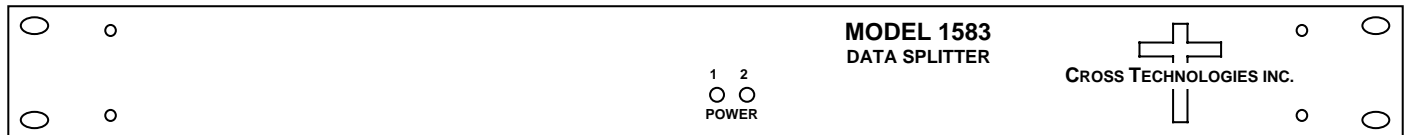


FIGURE 1.0 1583-09 DATA SPLITTER

1.2 Technical Specifications

Data Characteristics

Input/Output	RS232C
Data rate	128 kB/s max
Number of outputs	1 - Hard wired loop of the input 8 - Buffered RS232C outputs
Connector	DB9, female

Indicators

POWER CH1 LED	Turns green when power is applied to number 1 input on the rear panel
POWER CH2 LED	Turns green when power is applied to number 2 input on the rear panel

Other

Mechanical	19 inch standard chassis 1.75"high X 7.5" deep
Power	115 ± 10 VAC, 60Hz, 10 watts

2.0 Installation

2.1 Input/Output Connectors

The following are the input and output connectors.

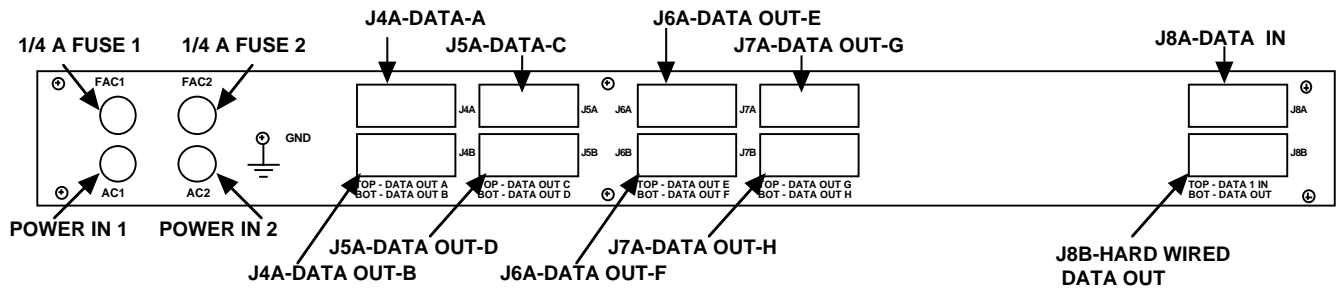


FIGURE 2.0 1583-09 REAR PANEL

TABLE 2.0 INPUT / OUTPUT CONNECTORS

J4, J5, J6, J7, J8, - DATA CONNECTORS (FIGURE 2.1)

<u>Function</u>	<u>Pin #</u>	<u>Description</u>
DATA	2	RS232C Data
GROUND	1,5	Ground
NO CONNECTION	3,4,6,7,8,9	No Connection

AC1, AC2 - POWER IN - Provides AC inputs for dual power supplies.

FAC1, FAC2 - 1/4 AMP FUSES - 1/4 AMP fast blow 115 VAC fuses for the dual power supplies.

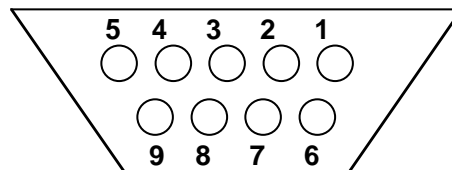


FIGURE 2.1 DB9 PINOUT

2.2 Indicators

The following are the front panel indicators. There are no controls to adjust.

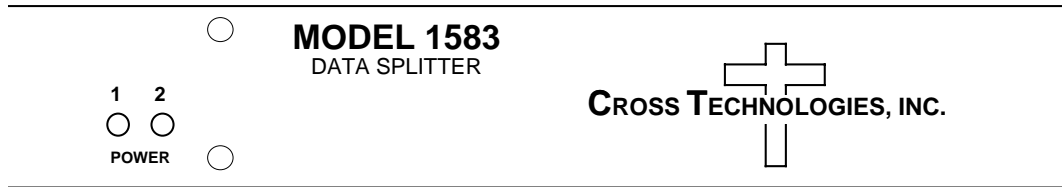


FIGURE 2.2 1583-09 INDICATORS

TABLE 2.1 FRONT PANEL INDICATORS

<u>Item</u>	<u>Description</u>
POWER CH1 LED	Turns green when power is applied to number 1 input on the rear panel
POWER CH2 LED	Turns green when power is applied to number 2 input on the rear panel

2.3 Mechanical

The 1583-09 is rack mounted by attaching the front panel to a rack through the four holes at the edges of the panel.

2.4 Installation/Operation

1. Install the 1583-09 in the equipment rack.
 - 1.1. Elevated operating ambient - If installed in a closed or multi-unit rack assembly, the operating ambient of the rack may be greater than the room ambient. Therefore, considerations should be given to the Tmra.
 - 1.2. Reduced air flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
 - 1.3. Mechanical loading - Mounting of equipment in a rack should be such that a hazardous condition is not achieved due to uneven loading.
 - 1.4. Circuit overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits could have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be given supply connections.
 - 1.5. Reliable earthing - Reliable earthing of rack mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connection to the Branch (use of power strips).
2. Connect data to the RS232C DB-9 DATA INPUT (J8A) and DATA OUTPUT connectors (J5A,B, J6A,B, J7A,B,J8B). Note that J8B is a hard wired loop of the input and will always pass data even when power is off.
3. Connect power via two power cords.
4. Check that data is present at all data outputs.