

The CE-232 is a point-to-point device that allows the extension of eight control signals far greater in distance than that of conventional RS-232. The CE-232 is terminated to a DCE type device (on the RS-232 port) at one end of the communication link. A cable, fully shielded, is then terminated to the CE-232 and attached to another CE-232 at the corresponding end. The CE-232 transmits an inverted RS-423 signal. This allows all control signals to be transmitted, bi-directionally for distances that may equal up to 5000 ft.

<b>CONTROL LEAD</b>	<b>RS-232 Pin (DB-25)</b>	<b>8 Pin Terminal Block</b>
Transmit Data	2	6
Receive Data	3	1
Request To Send	4	7
Clear To Send	5	2
Signal Ground	7	8
Data Carrier Detect	8	3
Transmit Clock	15	4
Receive Clock	17	5

#### CONTROL LEAD TO CONNECTOR PINOUT

**CAUTION:** Disconnect Power Before Servicing  
**ATTENTION:** Couper Le Courant Avant l' Entretien  
**VORSICHT:** Befor Deckung Abnehmen Mach Strom Zu

#### **VOLTAGE SELECTION**

It is *very* important to check that the unit is set to the correct voltage setting for your application before applying AC power. Located on the rear of the unit you will find a rotary 110/220 VAC switch. Using a coin or small screwdriver, *gently* turn the switch to the appropriate power position as required for your installation (110 or 220 VAC).

#### **VOLTAGE SELECTION FUSES**

Located on the back or rear of the product you will find an IEC Power receptacle. This receptacle contains a fuse drawer. Two (2) fuses are located in this compartment. For 110 VAC +/- 10% operation the unit is equipped with slow blow 5 x 20mm 160ma Fuses, E.C.D. Part # 714000. For 220 VAC +/- 10% operation the unit is equipped with slow blow 5 x 20mm 80ma Fuses, E.C.D. Part # 714001. Spare fuses may be purchased by calling East Coast Datacom or by calling the fuse manufacturer: Little Fuse at 1+ (312) 824-3024 or Shurter, Inc. at 1+ (707) 778-6311

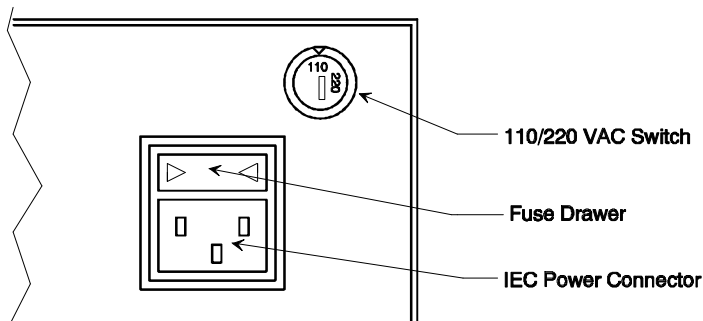
Little Fuse Part #'s are: 160ma = 218.160 and 80ma = 218.080

Shurter, Inc. Part #'s are: 160ma = 034.3109 and 80ma = 034.3106

**POWER CONNECTION**

Before connecting the CE-232s to an AC power source the top cover should be installed with the supplied #4-40 screws. AC power is supplied to the CE-232s through a 2.3m (6.6 ft) cord terminated by a grounded 3-prong plug. Select an appropriate location accessible to and within four to five feet of an AC outlet. The AC Power source **MUST** be grounded or the CE-232s Warranty will be void.

Power Connection  
Figure 3-1



**FRONT PANEL INDICATORS**

Located on the front panel of the CE-232 are eight (8) LED indicators. The PWR indicator and TXD, RXD, RTS, CTS, DCD, TXD and RXC which represent the RS-232 control signals. The control signal indicators act as a break out box in that installation and trouble shooting are a straight forward process. When properly terminated and with the presence of DATA, all control signals are active between the two connected CE-232s and the LEDs illuminated.

**DATA PORT CONNECTION**

