The UDC-IC is designed to provide signal level conversion between RS-232 and TTL equipment. The unit supports data rates up to 128Kbps.

The UDC-IC has two TTL level interfaces for connecting each data interface. The unit is shipped with any two user specified interfaces included in the price. Additional data interfaces are sold separately.

The individual data interfaces are available in DCE or DTE formats. Each data interface has the ability to force commonly used control signals such as RTS, CTS, DSR, DTR, Ring Indicate, Control and Indicate.

The data interfaces may be mix and matched in any combination. Installation is fast and simple by plugging the DTE interface card into Port B and the DCE interface card into Port A. In all installations, Port B will always provide timing to Port A.

The UDC-IC has status LED’s for each attached data interface which allows the user to visually confirm the presence of control signals.

The UDC-IC utilizes state of the art digital CMOS technology to provide a feature filled product at a very affordable price.

The UDC-IC is housed in a sturdy metal enclosure and operates on 110/220VAC.

The UDC-IC has a three year warranty and a 24 hour turnaround on warranty repairs.

**Figure 1 - TYPICAL APPLICATION**
**SPECIFICATIONS**

**Application**
Allows interconnection of a DCE and a DTE device which have different data interfaces, converting signal levels and the physical data interface.

**Capacity**
One DCE or DTE and TTL

**Serial Data Interface**
EIA RS-232 and TTL on BNC Connector

**Data Format**
Synchronous or Asynchronous
Data Transparent at all Data Rates

**Data Rates**
Up to 128Kbps

**Indicators**
POWER, TXD, RXD, TXC, RXC, RTS, CTS, DTR, DCD

**Surge Protection**
Main power supply

**Power Source**
AC Mains: 100-120 to 200-220VAC @10%, 50/60Hz, 0.16/0.08A, external 110/220 volt select switch, IEC Power Inlet, (2) 5mm Fuses
DC Mains: DC Voltage, Input Range of -36 to -72vdc Current Draw at 48vdc: 75ma @ 3.6watts

**Environmental**
Operating Temperature....32º to 122º F (0º to 50º C)
Relative Humidity.............5 to 95% Non-Condensing
Altitude......................0 to 10,000 feet

**Dimensions**
Height ....... 1.75 inches (4.44 cm)
Width ....... 9.00 inches (20.86 cm)
Length ...... 9.00 inches (20.86 cm)

**Weight**
2 pounds (0.914Kg)

**Warranty**
Three Years, Return To Factory

**Regulatory Approvals**

**ORDERING INFORMATION**
Main Unit Part Number: 190000
Model: UDC-IC
Description: UDC-IC Interface Converter, 110/220VAC
Serial Interface Cards, **Two Cards Required**
Per UDC-IC, may be the same card twice or any combination..

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SERIAL CARD DESCRIPTION</th>
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<tbody>
<tr>
<td>129014</td>
<td>RS-232 DCE I/M</td>
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<tr>
<td>129032</td>
<td>RS-232 DTE I/M</td>
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<tr>
<td>129010</td>
<td>V.35 DCE I/M</td>
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<td>V.35 DTE I/M</td>
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<td>129070</td>
<td>RS-485 I/M</td>
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<tr>
<td>129080</td>
<td>Current Loop</td>
</tr>
</tbody>
</table>

Optional DC Supply
Part Number: 184018
Model: UDC-DC -36 to -72 DC Power Supply

**INCLUDED WITH EACH UNIT:**
1) Operations Manual
2) U.S.A. Grounded Power Cord, Part # 713015
3) Optional Power Cords
   A) United Kingdom, Part # 713016
   B) Continental Europe, Part # 713017
   C) Other: Specify Country on Purchase Order

**OPTIONAL ACCESSORIES**
1) Spare Data Center Fuses
   A) 160ma Fuse, Qty (2) Part # 714000
   B) 80ma Fuse, Qty (2) Part # 714001

For further detailed technical information on this product, contact East Coast Datacom, Inc at: support@ecdata.com