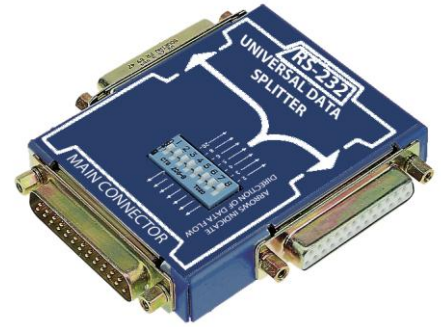**B&B ELECTRONICS**

Universal Serial Data Splitter CE
Model 232UDS

The Universal Serial Data Splitter can be connected so that any two RS-232 devices can be connected to any one RS-232 device. Nine pins are supported: pins 1-8 and 20. Pins 1 and 7 on all three connectors are connected to each other at all times. The other pins must be programmed for proper direction of data flow.

To program the data flow direction requires some knowledge of how your ports are wired. If you are trying to connect two devices to one DCE port (such as a printer) switches 8, 6, and 2 should be on and the other switches off. This OR's the data on pins 3, 5, 6, and 8 together and sends it out the main connector, and allows the data on pins 2, 4, and 20 to flow the other way. If you are trying to connect two devices to one DTE port (such as a modem) switches 7, 5, 4 and 3 should be on and the other switches off. This OR's the data on pins 2, 4, and 20 together and sends it out the main connector, and allows the data on pins 3, 5, 6, and 8 to flow the other way.

If you are not sure which type of port you have try both ways and see which way works. Try switches 2, 6 and 8 first and then try switches 3, 4, 5, and 7 on. Be sure that both devices on the side connectors are configured the same- both DTE or both DCE. If they are not the same you may need a null modem to reverse one side or the other.

PRODUCT INFORMATION

MALE DB25P CONNECTOR

FEMALE DB25S CONNECTOR

PROTECTIVE GROUND (PG)
TRANSMIT DATA (TD)
RECEIVE DATA (RD)
REQUEST TO SEND (RTS)
CLEAR TO SEND (CTS)
DATA SET READY (DSR)
SIGNAL GROUND (SG)
CARRIER DETECT (CD)
DATA TERMINAL READY (DTR)

ALL DIODES 1N4148

MODEL 232UDS

FEMALE DB25S CONNECTOR