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RB36P RS-422 <> Parallel Printer Converter 19 May, 2003

Introduction

The RB36P is a SY/MAX® pinout RS-422 serial to Centronics Parallel printer converter. The RB36P is a replacement for the Niobrara SC36P serial to parallel converter. The RB36P consists of an Alfatron A515 Serial <> Parallel Converter with a Niobrara CS217 cable, WH-IV28-36MM cable, and a 9VDC 300mA power supply. The CS217 cable connects the 25 pin RS-422 port of the Alfatron box to the SY/MAX port. The HW-IV28-36MM cable connects the Alfatron box to the Centronics port on the printer.

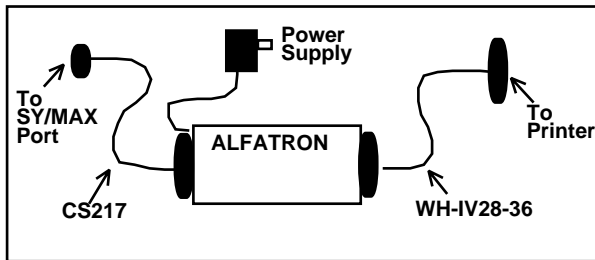
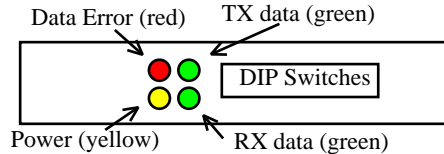


Figure 1 RB36P Cable Layout

RB36P LEDs

The Alfatron box has four LEDs to give a visual indication of the operation of the unit.



The Yellow power light should be on as long as the unit has power. The green TX and RX lights should flash as data is sent from the PLC to the printer. The red data error light should only come on when there is a parity/framing error, or the unit runs out of buffer.

RB36P Configuration

The RB36P has DIP switches for setting the RS-422 port parameters. These switches control the baud rate, data bits, stop bits, and parity.

The DIP switches should be set as follows (OFF is UP):

- 1-OFF, 2-OFF, 3-ON, 4-OFF, 5-ON, 6-OFF, 7-OFF, 8-OFF

These settings will set the unit for Parallel:OUT, ,Xon/Xoff, 9600 baud, EVEN,8,1 which will be the same as the SC36P.

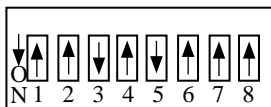


Figure 2 Example for Normal operation

The bottom label on the Alfatron gives the specific settings for each DIP switch.

The A515 should have its power cycled after changing the DIP switches.