

CHAPTER 3 OPERATING INSTRUCTIONS

The ATC-100 transceiver is remotely controlled via a serial interface on the Maintenance Port. The serial interface standards available for the ATC-100 transceiver are the unbalanced (RS-232) and balanced (RS-485) line interfaces.

Parameters associated with the remote control interface can be checked and changed from the rear panel of the transceiver. The bus address, bus type (RS-232 or RS-485), baud rate, bus sharing option, and line parameters may be set. (Line parameters include number of data bits, number of stop bits and parity options).

Each type of interface is described below.

3-1 REMOTE OPERATION USING SERIAL BUS.

The transceiver is operated under remote control using a serial bus and a suitable controller. Ensure that the communications parameters are set in accordance with the system requirements. The bus address, bus type (RS-232 or RS-485), baud rate, number of data bits, type of parity used, and number of stop bits must match the requirements of the system controller.

3-1.1 ATC-100 Set Up.

Before operating the equipment, set the DIP switches, on the rear panel, for correct remote operation (refer to figure 3-1). The factory default settings provide a starting point; where all DIP switches are OFF except for S-2(5) and S-2(7), which are ON to establish the baud rate at 38,400.

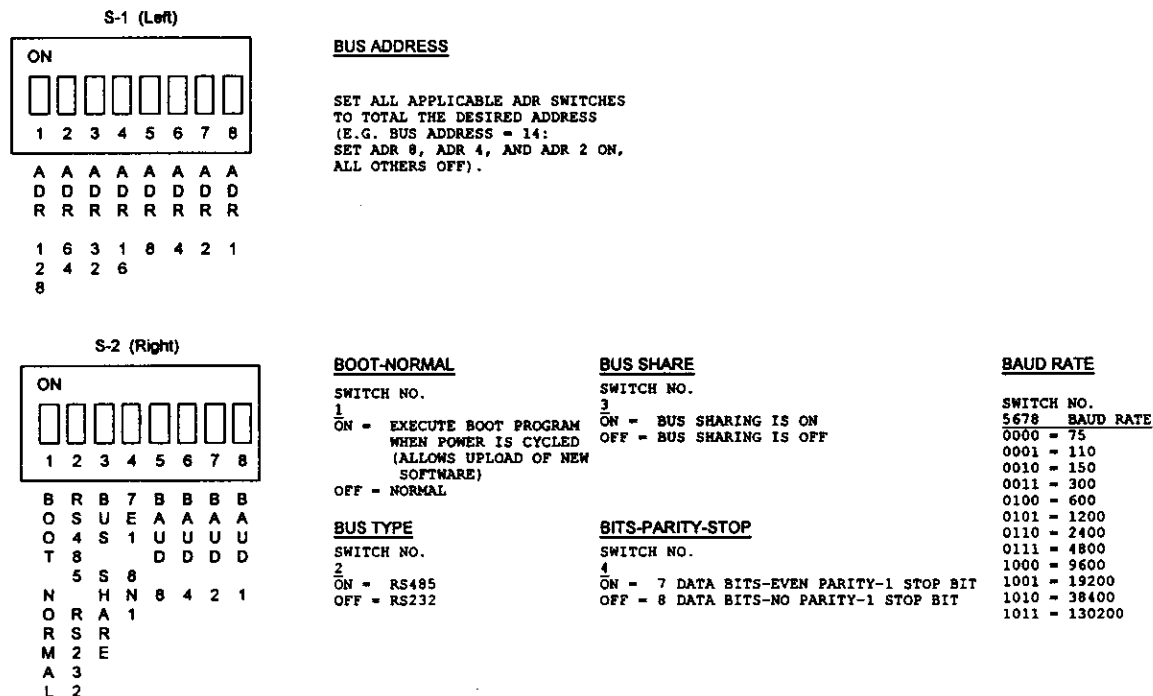


Figure 3-1 DIP Circuits - Switch Settings.

PRELIMINARY