



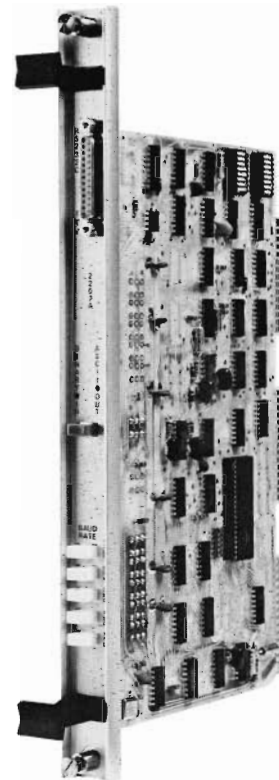
The Model 2207A I/O Interface Controller provides the capability to interface the Wang System 2200B CPU with a RS-232-C compatible Teletype (not supplied by Wang), or Teletype compatible peripherals, terminals and laboratory instrumentation at up to 1,200 baud. This option is available on the System 2200A in limited use only where the Teletype is used only as a "dumb" Input/Output terminal. The paper tape cannot be used with the System 2200A.

The Model 2207A decodes two standard Teletype signals, BREAK and ESCAPE (ESC), into HALT/STEP and RESET, respectively, to provide operational control in the System 2200B.

The System 2200B language contains features that can command the Teletype's paper tape punch and reader to punch and read data and programs. The Model 2207A operates at selectable baud rates (asynchronous) of 110, 150, 300, 600 and 1,200 with either of the following code formats: (a) 1 start bit, 8 data bits and 2 stop bits or (b) 1 start bit, 7 data bits plus an even parity bit and 2 stop bits.

The Model 2207A has two modes of operation which can be selected by a switch. For the normal mode, for operations with a Teletype terminal or Teletype tape using ASCII characters, the data format of 7 data bits plus even parity bit is selected. The high order parity bit is stripped when each character is read. In addition, a break signal, when received, produces a HALT/STEP command in the System 2200B, and an ESC character (ESCAPE) produces a RESET command in the System 2200B. This functionally provides complete System 2200B keyboard operation using a Teletype.

In the second mode, where binary data can be input from a Teletype tape or Teletype compatible instrument, the 8 data bit character (code) format is selected. All eight data bits are received in the System 2200B. In addition, the BREAK and ESC character special decoding is inhibited.



2207A

I/O INTERFACE CONTROLLER

DATA SHEET

SPECIFICATIONS

Size of Controller Board

- Length 14 in. (35.56 cm)
- Depth 6 in. (15.24 cm)
- Width 1 in. (2.54 cm)

Electrical Connector

RS-232-C compatible (receives 25-pin RS-232-C Male Plug).

Code Format

- (a) 1 start bit, 8 data bits, 2 stop bits, or
- (b) 1 start bit, 7 data bits, even parity bit and 2 stop bits.

Transmission Rate

Selectable baud rates of 110, 150, 300, 600, and 1,200, all asynchronous.

Special Features

Decodes Teletype BREAK signal into HALT/STEP command in System 2200B; decodes Teletype ESCAPE (ESC) character to RESET command in System 2200B.

ORDERING SPECIFICATIONS

A Teletype controller card for the Wang System 2200B that enables the attachment of a RS-232-C compatible Teletype. The following performance is required: Selectable baud asynchronous transmission rates of 110, 150, 300, 600, and 1,200, and code format of (a) 1 start bit, 8 data bits, and 2 stop bits or (b) 1 start bit, 7 data bits plus even parity bit and 2 stop bits. Can be used with a System 2200A only if the Teletype is used as a "dumb" Input/Output terminal.

Standard Warranty Applies.

Wang Laboratories reserves the right to change specifications without prior notice.



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