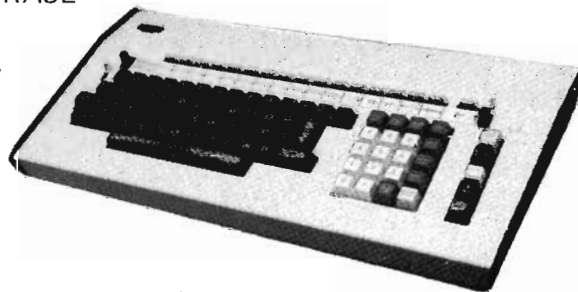The Model 2223 Alphanumeric/BASIC Keyword Keyboard combines a standard typewriter keyboard and a BASIC language keyword keyboard, and provides the facility to access a character Edit ROM. (An Edit ROM (Option 3) is an option with any System 2200A or B and a standard feature in any System 2200C or S.)

The Model 2223 keyboard provides two modes of operation for entering data and programs into the System 2200 Central Processing Unit (CPU). The mode is chosen by using the toggle switch labelled Keyword/A and A/a at the upper left corner of the keyboard. In Keyword/A mode, each touch of a key produces either a BASIC keyword (with the SHIFT key down) or an uppercase letter (with the SHIFT key up). This mode is most convenient for entering programs. In A/a mode, the keyboard acts like a typewriter; unshifted keys produce lowercase letters (seen as lowercase if a lowercase CRT is available), shifted keys produce uppercase letters.

The Model 2223 Alphanumeric/BASIC keyword keyboard is divided into five zones (see photo).

Zone 1 contains BASIC keywords, alphanumeric and special character keys and certain operational keys. BASIC keywords are generated with a single keystroke. For convenience, BASIC keywords are arranged in logical groups, e.g., a subroutine group [DEFFN, GOSUB, RETURN], the program control group [FOR, STEP, NEXT], and the tape handling group [SELECT, BACKSPACE, REWIND, SAVE, SKIP]. Additionally Zone 1 contains operation keys such as STMT NUMBER, which supplies a line number ten greater than the previous line number when entering program lines and TRACE, RENUMBER, LIST, BACKSPACE, LINE ERASE and RETURN(EXEC).

Zone 2 contains a full numeric keyboard, mathematical function keys [ARC, SIN(, COS(, etc.], arithmetic operators (+, −, *, /, ↑), a second RETURN(EXEC) key and a keyword PRINT key.

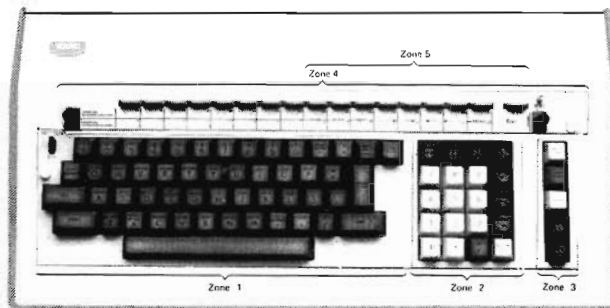# ALPHANUMERIC/BASIC KEYWORD KEYBOARD

Zone 3 contains keys for loading, controlling and executing a program. HALT/STEP halts program execution and can be used to execute a program one statement at a time; CONTINUE continues program execution after encountering a STOP verb or having used HALT/STEP; CLEAR followed by no parameters clears all program text and variables, followed by V removes all variables from memory, followed by N removes all non-common variables from memory, followed by P removes program text but leaves variables; LOAD loads program from current tape unit into memory; RUN initiates execution of program which is in memory.

Zone 4 contains up to 16 Special Function Keys used to access up to 32 user-defined routines or to enter a customized data string with a single stroke.

Zone 5 contains the Edit Mode keys and the RESET push button switch. RESET stops program execution, clears the CRT and returns control to the user. If this keyboard is used on a system without an Edit ROM, the right-most Edit key must *not* be used.

SPECIFICATIONS

Height:
3 in. (7.6 cm)
Depth:
10 in. (25.4 cm)
Width:
17½ in. (44.5 cm)
Approximate Net Weight:
7 lb. (3.2 kg)
Power Requirements:
115 VAC ± 10% 60 Hz ± 1 cps
or 230 VAC ± 10% 50 Hz ± 1 cps
Cable:
8 ft (2.4 m)
Character Set:
0 to 9, A to Z, !, @, #, $, %, ↑, &, *, (,), -, +, =, /, ., <, >, :, ?, ", ', ?, −, , , π.
Keywords:
ARC, BACKSPACE (tape), COM, COS(, DATA, DEFFN, DIM, END, EXP(, FOR, GOSUB, GOTO, HEX(, IF, INPUT, LOG(, NEXT, PRINT, PRINTUSING, READ, REM, RESTORE, RETURN, REWIND, SAVE, SELECT, SIN(, SKIP, SQR, STEP, STOP, STR(, TAN(, THEN.

SPECIFICATIONS (Continued)

Operation Keys/Switches:
Keyword/A and A/a, RESET, BACKSPACE (cursor), CLEAR, CONTINUE, HALT/STEP, LINE ERASE, LIST, LOAD (tape), RENUMBER, RETURN(EXEC), RUN, (space bar), STMT NUMBER, TRACE.

Edit Mode Keys:
DELETE, EDIT, ERASE, INSERT, RECALL, ◄- - - -, - - - -►, ◄——— , ———►.

ORDERING SPECIFICATIONS
The Model 2223 Alphanumeric/BASIC keyword keyboard must be an input keyboard having alphanumeric characters, BASIC language keywords and commands. Numbers (0 to 9), mathematical functions, arithmetic operators and program control keys must be standard on the keyboard. The keyboard must have 16 Special Function Keys capable of accessing 32 user defined subroutines and an Edit Key to enter Edit Mode (when used with an Edit ROM) to permit editing of program lines recalled from memory or data being input and displayed on the CRT.

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