

# SERIES 200

## HONEYWELL 220-1 CONSOLE

The Type 220-1 Console is a communication center for any Honeywell Series 200 central processor.<sup>1</sup> It normally abuts the power cabinet but may be located within any distance which does not exceed cable length restrictions. The 220-1 must be placed with respect to the power cabinet such that the operator may have convenient access to both the console keyboard and the central processor control panel. The console requires two peripheral address assignments.

The console consists of a console cabinet, a logic area, a console typewriter, an indicating LOG push-button switch, and a TYPE indicator. As the principal component, the console typewriter transmits and records instructions and data between the operator and the computer.

### OPERATIONS

The console typewriter can perform peripheral input/output operations and logging operations. As a peripheral device, the typewriter can be used by the central processor to type messages from a program, or it can be used by the operator to enter parameters into memory under program control. As a logging device, the typewriter can be used by the operator at any time as a standard typewriter without affecting the contents of memory or the operation of the system.

### PERIPHERAL OPERATION

When the Type 220-1 is used in the peripheral mode, parameter entries are accomplished in four steps: (1) The operator is notified by the program that a parameter entry is required; the keyboard bell rings once and the TYPE indicator illuminates. If desired, the parameter request may be typed out. (2) The operator enters the parameter by typing it. (3) The program requests verification of the entry. And (4) the operator either confirms or cancels the entry by striking the appropriate key. (Any character key may be assigned as the confirm or cancel key by the program.) Steps 3 and 4 may be accomplished by means of programming.

Typeouts (one record at a time) are accomplished by the execution of Write instructions from the program. The alphanumeric graphics used for typeouts and parameter entries are typed contiguously, ten to the inch.

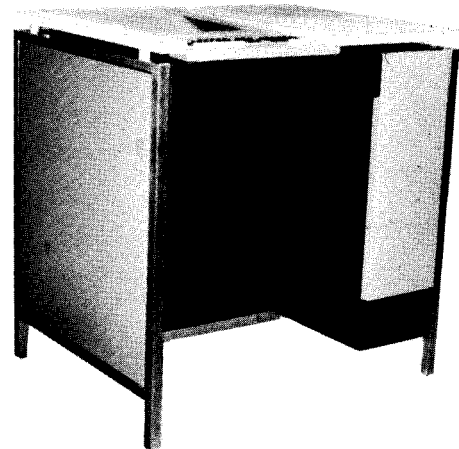
### VERTICAL SPACING

Carriage return, vertical movement of the paper, and single-line spacing are controlled by parameters in the programmed instructions or by the operator through the CARRIAGE RETURN key. Vertical spacing is three or six lines per inch, depending upon a manual adjustment of the typing mechanism.

### LOGGING

The console typewriter becomes a logging device when the TYPE light is extinguished, the carriage is returned,

<sup>1</sup>Specifications remain subject to change in order to allow the introduction of design improvements.



and the LOG switch is pressed. In this condition, the typewriter operates off-line and presents a busy signal to the central processor. Any of the keys (listed below) may be used to type messages without affecting the operation of the system; therefore, the operator may log while the program is running. Logging operations are terminated by pressing the CARRIAGE RETURN key; however, they are not affected by the automatic carriage return that occurs at the end of each print line.

### CHARACTER SET

The character set for the console typewriter consists of the numerals 0 through 9, the letters A through Z, and the following symbols:

= (Equals)	, (Comma)
+ (Plus sign)	. (Period or decimal point)
- (Minus sign)	\$ (Dollar sign)
/ (Slash)	# (Number sign)
' (Apostrophe)	" (Quotation mark)
: (Colon)	@ (Commercial "at" sign)
; (Semicolon)	C <sub>r</sub> (Credit symbol — one character)
& (Ampersand)	■ (Filled square)
< (Less than)	□ (Square)
> (Greater than)	? (Question mark)
% (Percent sign)	≠ (Unequal)
( (Left parenthesis)	! (Exclamation mark)
) (Right parenthesis)	¢ (Cent symbol)
Δ (Space)	
* (Asterisk)	

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**Honeywell**  
ELECTRONIC DATA PROCESSING

### **SPECIFICATIONS**

OPERATIONS: Peripheral and logging.

ADDRESS ASSIGNMENTS: Two.

TYPING RATE: 10 characters per second.

CHARACTERS PER LINE: 64.

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<sup>1</sup>When the Type 220-1 is attached to the Model 120, a Series 200 Control Unit Adapter (Feature 1015 or 1016) is required.

NUMBER OF PRINTABLE CHARACTERS: 64.

SPACING OF PRINTED LINES: 3 or 6 lines per inch.

CARRIAGE RETURN (FROM RIGHT TO LEFT) AND  
SINGLE SPACE: 0.2 second (maximum).

PAPER DIMENSIONS: Width — 8.5 inches maximum.  
Roll diameter — 5 inches maximum.

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