



**RC 831**

# **Printer | Keyboard**

- MATRIX PRINTHEAD
- 132 PRINT POSITIONS PER LINE
- 94 CHARACTERS - DIFFERENT SETS AVAILABLE
- TYPEWRITER-LIKE KEYBOARD
- QUIET, HANDY OFFICE TERMINAL





## GENERAL

The RC 831 Printer/Keyboard is a communications terminal as well suited for system operation as for local document processing purposes. The quiet, handy terminal is similar to an office typewriter in touch and appearance. Printing is performed in upper and lower case letters by a matrix print unit which facilitates true descenders on lower case letters for increased legibility. A 94 character ASCII alphabet is included as standard. Other character sets are available.

## CHARACTERISTICS

The printing unit is a 9-wire matrix impact printhead, using 7 of 9 dots vertically (which provides 2 dots for descenders) and 4 dots horizontally for character building. The printer ribbon is supplied as a cartridge for continuous inking and for easy replacement. The RC 831 prints 132 characters per line at 13 characters per inch. Paper is pinion fed and fan-fold paper is used. Up to 3 copies can be printed with interleaved carbons.

The maximum throughput is 300 bps which is achieved by buffered input and a printer catch-up speed of 47 cps while emptying the buffer - thus a true printing speed of 30 cps is obtained. The buffer facility also applies to output which means that the operator is assured of full typing speed without loss of data.

All usual typewriter facilities are included plus a number of valuable user aids. For instance: Margins are adjustable both in local and on-line mode of operation. The exact next printing location and last character visibility are featured. An N-Key rollover ability permits multiple key depression without error. A built-in test capability enables a quick check of the printer's operation (merely by activating a PRINT TEST key).

The RC 831 Printer/Keyboard is easy to maintain due to its simplicity of design and modular construction which together with the built-in test facility allow speedy fault-finding. The communications interface is serial in accordance with CCITT V. 24 or Current Loop (20 mA). Data transmission rates are 110 or 300 bps. Communications connection is full-duplex, locally or by means of modems or loop couplers.

## SPECIFICATIONS

Print unit:	9-wire matrix impact printhead, character building: 7 of 9 dots vertically (2 dots for descenders), 4 dots horizontally
Line length:	132 ch per line
Character spacing:	13 ch per inch
Line spacing:	6 lines per inch
Character set:	94 ch ASCII plus parity error symbol, optionally (factory or field installed): Danish, Swedish, German
Printing speed:	true 30 cps, selectable 10 or 30 cps
Paper:	pinion feed fan-fold, 12 ins x 12 (or 8.5) ins, up to 3 copies
Keyboard:	typewriter-like, includes controls: back space, adjustable margins, repeat, cap lock
Controls/indicators:	print test, end-of-line bell alarm, indication of next printing location, local/line, term. ready, paper-out alarm
Transmissions:	asynchronous, full duplex, even parity
Transmission interface:	CCITT V.24 (RS 232 C) - optionally 20 mA current loop
Transmission speed:	110 or 300 bps
Power requirements:	220 V, 50 Hz, 55 W

## DIMENSIONS

Height:	13 cm (5.5 ins)
Width:	45 cm (18 ins)
Depth:	53 cm (21.5 ins)
Weight:	13 kg (30 lbs)