MANUAL DOCUMENTATION INSERTION

NOTES: If you intend to insert single documents systematically, you must
        first switch off the printer, set the selector C in its ON
        position and then switch the printer on again.

        The document/envelope must not be crumpled or torn, otherwise it
        may jam or even not be inserted.

1. With the printer switched on, position a sheet of paper on the paper
    support, aligning it with the corresponding guide at the left edge of
    the insertion slot.

    Envelopes should be aligned with the guide on the right of the
    insertion slot. They should be placed with their short side against
    the guide and with the writing side face up and the sealing flap face
    under.

2. Push the paper in until it stops against the feed rollers.

3. Press FORM FEED; the paper will be fed in to the first print position
    (TOF).

4. Send the text to be printed.

After printing, the paper is expelled through the rear of the printer into
the paper output tray.

PAPER CHARACTERISTICS

Types

Most types of paper give good printing quality. Best results are obtained
using standard photocopy paper, which has a paper weight of between 70 and
90 g/m2.

NOTES: Always test thoroughly the type of paper you intend to use. Sub-
        standard paper can affect the quality of printing.

        Make sure the paper is inserted it the paper tray so as to print
        on the right face of the page (see indication arrow on paper
        wrapping).

        Printing on both sides of the paper may increase the risk of
        misfeeds or paper jams.

DIMENSIONS

The following table contains the dimensions of the types of paper and
envelopes which you can use in your printer:

Single Sheets	Envelopes

A4	210 mm x 297 mm 8.26 in x 11.7 in	COM-10	241.3 mm X 104.7 mm 9.5 in X 4.125 in
A5 (horizontal)	210 mm x 148.5 mm 8.26 in x 5.85 in		
US Letter	8.5 in x 11 in 215.9 mm x 279.4 mm	DL	220 mm x 110 mm 8.66 in x 4.33 in
US Legal	8.5 in x 14 in 215.9 mm x 355.6 mm		
US Exec	7.25 in x 10.5 in 184.2 mm x 266.7 mm	C5	229 mm x 165 mm 9.02 in x 6.5 in
Free	210 mm x 462.4 mm 8.26 in x 18.5 in		

Standard size single sheets can be inserted either automatically from the paper tray or manually through the front of the printer. Free format paper sizes must be inserted manually.

Envelopes can only be inserted manually. (They should be aligned with their short side against the guide on the right of the insertion slot, and with the writing side face up and the sealing flap face under.)

PRINT AREA

The following table gives the measurements for the print area on the standard page sizes handled by the printer (all measurements are indicated in millimeters and inches). The printer can print a maximum of 67 lines on an A4 page with 6 lpi linespacing (the last line may be printed with slightly defective linespacing).

Measure-ment/ Format	M (max. width of sheet	W (max. print line length	L (min. left margin	R (min. right margin	T (min. top margin	B (min. bottom margin
A4	210 mm 8.26 in	203.2 mm 8 in	3.4 mm 0.134 in	3.4 mm 0.134 in	1 mm 0.04 in	15.24 mm 0.6 in
A5	210 mm 8.26 in	203.2 mm 8 in	3.4 mm 0.134 in	3.4 mm 0.134 in	1 mm 0.04 in	15.24 mm 0.6 in
L/L	215.9 mm 8.5 in	203.2 mm 8 in	6.4 mm 0.25 in	6.4 mm 0.25 in	1 mm 0.04 in	15.24 mm 0.6 in
US EXEC	184 mm 7.25 in	184 mm 7.25 in	---	---	1 mm 0.04 in	15.24 mm 0.6 in
COM-10	241.3 mm 9.5 in	203.2 mm 8 in	---	---	1 mm 0.04 in	15.24 mm 0.6 in
C5	229 mm	203.2 mm	---	---	1 mm	15.24 mm

	9.02 in	8 in			0.04 in	0.6 in
DL	220 mm 8.66 in	203.2 mm 8 in	---	---	1 mm 0.04 in	15.24 mm 0.6 in

OPERATOR PANEL FUNCTIONS

LEDs

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    ON LINE - lit, indicates that the printer is in ON LINE condition;
            - flashing slowly, indicates that there is no paper in the
              printer (warning condition);
            - flashing rapidly, indicates a failure condition;
            - off, indicates the printer is in OFF LINE condition.

         ON - Lights when the printer is switched on, and remains lit
              until the printer is switched off.

ON LINE + ON - flashing alternately, indicate an end of ink condition or
               that there is no head in the printer.
             - flashing with the sequence ON LINE twice followed by ON
               once, indicate incompatibility between the type of print
               head selection lever position.
             - flashing with the sequence ON LINE five times followed by
               ON once, indicate that the print head inserted in not that
               required (the printer driver requires a different type of
               print head).
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At printer switch-on, after the correct execution of the mechanical reset,
the ON and ON LINE LEDs will both be lit and steady.

KEYS

The key functions depend on the printer operating status. When it is
switched on, the printer will be in one of the following conditions:

OPERATING STATES

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        ONE LINE, with ON LINE LED lit.
        The printer is ready to receive data.

        OFF LINE, with ON LINE LED lit.
        State imposed by the operator, who has pressed the ON LINE key.
        Any printing operation is suspended; operator intervention is
        required to execute a specific function or to return the printer
        ON LINE (using the ON LINE key).

    Warning

        - with ON LINE LED flashing slowly.
          State caused by lack of paper during a printing operation;
          operator intervention is required to load paper and then to
          return the printer ON LINE using the FORM FEED key.

        - with ON LINE and ON LEDs flashing alternately.
          State caused by end of ink condition; operator intervention is
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required to load a new print head, and then to return the
printer to ON LINE using the INSTALL CARTRIDGE key.

- with ON LINE and ON LEDs flashing with the sequence ON LINE
  twice followed by ON once.
  State caused by incompatibility between the type of print head
  inserted and the position of the print head selection lever;
  operator intervention is required to load correct type of print
  head and/or position the print head selection lever correctly,
  and then to return the printer to ON LINE using the INSTALL
  CARTRIDGE key.

- with ON LINE and ON LEDs flashing with the sequence ON LINE five
  time followed by ON once.
  State caused by incompatibility between the type of print head
  inserted and the printer driver loaded; operator intervention is
  required to insert correct type of print head, and then to
  return the printer ON LINE using the INSTALL CARTRIDGE key.

FUNCTIONAL STATES

One of the following states will be present in ON LINE or OFF LINE
conditions.

    FREE: when there is no data to be printed.

    BUSY: from the reception of data until the completion of its
           printing.

    IDLE: data to be printed, but awaiting a Form Feed command (from
           console or line).

KEY FUNCTIONS

            ON LINE - Toggles the printer ON LINE/OFF LINE condition;
                      affects the ON LINE LED status.

INSTALL CARTRIDGE - Positions the print head carriage for a print head
                    replacement operation;
                    Replacement request signalled by status of ON and ON
                    LINE LEDs; replacement anomalies signalled by status
                    of same LEDs.

        FORM FEED - With the printer ON LINE and FREE, commands the manual
                    insertion of a single sheet of paper to the Top of
                    Form (TOF) position, even if insertion from the paper
                    tray is selected (selector C OFF). If paper is
                    already present in the printer, causes its expulsion.

                    With the printer ON LINE and BUSY and paper already
                    inserted, executes the "FLUSH" function which consists
                    of the immediate printing of any pending data, and the
                    expulsion of the printed page.

                    With the printer OFF LINE:
                    - if paper is present in the printer, expels it;
                    - if there is no paper in the printer, commands the

manual insertion of a single sheet of paper to the
Top of Form (TOF) position, even if insertion from
the paper tray is selected (selector C OFF).

Functions Activated With Key Combinations

FUNCTION	KEY(S)	OPERATION
Print Test	INSTALL CARTRIDGE + ON/OFF switch	Before activating this function, check that there is paper available in the paper tray. Pressing and holding down this key while switching on the printer causes the print test to be printed.
Hexadecimal printing	ON LINE and INSTALL CARTRIDGE + ON/OFF switch	Before activating this function, check that there is paper available in the paper tray. Pressing and holding down these keys while switching on the printer causes all subsequent data transmitted to the printer to be printed in its hexadecimal format.

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