KODAK VERSAMARK DP5000 Series Remote Control Panel Operator's Manual

DP5120, DP5240, and DP5122 Printers

Kodak Versamark, Inc.



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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

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KODAK VERSAMARK DP5000 Series Remote Control Panel Operator's Guide

Part Number	Media	Revision	Date	Description	ECN
0113455-602 0113455-603	Print PDF	001	05/2005	Revision for new features and Kodak format	K5282

Previous Releases

Part Number		Revision	Date	Description	ECN
0113455	Print	002	04/2001	Final revision for DP5122 printer	PKG960
0113455	Print	001	03/2001	Preliminary revision for DP5122 printer	PKG938
0113767	Print	00	04/1997	Initial release	08821

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0113455-602 0113455-603 5/2005 Printed in U.S.A.

Scope

This guide describes how to operate a KODAK VERSAMARK DP5000 series printer using the Remote Control Panel. The Remote Control Panel (RCP) is a hand-held device that allows an operator to configure the printing behavior of the printer and enables basic printer servicing without connecting a PC to the printer. The RCP is available as an option for the DP5120, DP5240, and DP5122 printers. The RCP can be used to perform the following operating procedures:

- Adjusting printhead phase and voltage
- Changing fluid system states in the clean, normal or purge tables
- Configuring printing behavior
- Configuring tach and cue settings
- Viewing the printer error log.

The RCP does not initiate printer operation and when it is connected, printer operating procedures are unchanged. The RCP allows the operator to do certain procedures while too far from the printer to reach the buttons on its fixed operator panel.

Some legacy OEM printer controllers require the operator to configure printing behavior at the printer. These controllers were designed for the obsolete 5000 printer (not the current DP5000 series printers). For configuration, the 5000 printer had an 4-button operator panel with LCD display. The RCP gives this configuration capability to the current DP5000 series printers that have a 13-button operator panel without display (see Figure 2 on page 3).

Refer to the following Kodak Versamark, Inc. manuals for additional information:

- DP5000 series *Operator's Guide* (011848-602) This printed manual is shipped with every printer.
- DP5000 series *Service Manual* (0113940-011) This CD-ROM contains the following PDFs:
 - Service Guide (0113941-603)

- Illustrated Parts List (0113943-603)
- *Service Diagrams* (0113943-603)
- Installation Guide (0113944-603).

To order this CD-ROM, contact technical support.

The procedures in this guide should be performed only by a printer operator trained by Kodak Versamark, Inc.

Text Notations

This manual uses the following typographical conventions.

This style	Refers to
Ready	Text displayed by the software.
go	Anything you type, exactly as it appears, whether referenced in text or at a prompt.
ENTER	Special keys on the keyboard, such as enter, alt, and spacebar.
[NEXT]	Buttons and lights on the printer operator panel.
Save	Software command buttons and sections of dialog boxes, such as group boxes, text boxes, and text fields.
$\textbf{File} \rightarrow \textbf{Open}$	A menu and a specific menu command.
ALT+F1	Pressing more than one key at the same time.
Alt, Tab	Pressing more than one key in sequence.
хх,уу	Variable in error messages and text.
jobfile.dat	File names.

Safety Notations	The following definitions indicate safety precautions to the operator.
Note:	Information that needs to be brought to the reader's attention.
Caution:	A situation where a mistake could result in the destruction of data or system-type damage.
\triangle	WARNING A potential hazard that could result in serious injury or death.
A	DANGER An imminent hazard that will result in serious injury or death.
Service and Support	Technical equipment support is available 24 hours a day, 7 days a week.
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Remote Control Panel Procedures

The procedures in this guide are divided into the following sections:

- Installation
- Display
- Selection screen
- Numeric input screen
- Installation
- Operation
- IJPDS Ethernet kit.

The first four section form an introduction that describes the Remote Control Panel (RCP) hardware. The last section describes the IJPDS Ethernet Kit option.

Remote Control Panel Procedures Installation

Installation

The RCP is connected to the RS232 port on the back of the printer (see Figure 1) and is powered by that port. The printer provides power only when it is powered on. The RCP can remain attached during power-up and shutdown cycles, and can be connected or disconnected when the printer is powered on (hot plugged).

To install the cable to the remote control panel, carefully push the female plug snugly into position. Be very careful not to bend the pins. To connect the remote control panel to the printer, connect the serial port connector to the RS-232 port at the back of the printer.

Note: Once the cable is connected to the remote control, leave it connected. When connecting and disconnecting, do so from the printer end only.

Figure 1 Remote control panel attached to DP5120 printer





The panel case protects its internal circuitry. To properly maintain the remote control, apply the following guidelines to its care and use:

- Do not drop the remote control panel or immerse it in water.
- Clean the remote control panel with a damp cloth, do not use solvents or cleaners. Wipe the remote control panel with a dry cloth after it has been exposed to moisture.
- Do not take the remote control panel apart. There are no user serviceable parts inside.

Remote Control Panel Procedures *Display*

When the RCP is connected, the copyright screen (shown below) appears and remain displayed connection is established with the printer. If copyright screen does not clear in 2-3 minutes, check that the cable is securely connected to the printer port.

(C)20	05	
Kodak	Versamark,	
Inc.		
	11.4.4.4	
<u>_</u>	VX.XX	

The initial selection screen appears 5 seconds after the remote control panel establishes printer connection. Press any key to skip the 5 second delay.

REMOTE CONTROL PANEL	_
PRESS SELECTION	

Selection Screen

A selection screen displays the current printer setting in reverse video. The user uses the arrow keys (shown below) to move between available selections.



Important: When the selection screen is displayed, press the up or down arrow keys to change the contrast setting of the LCD display.

To activate the selection chosen press the enter key (shown below).



To keep the existing setting press the escape key (shown below).



Note: In Ready, some printer settings cannot be changed and the arrow keys are disabled. Put the printer in Standby to enable the arrow keys, then change the settings.

Numeric Input Screen

In a numeric input screen the current printer setting is displayed above the reverse video input field. The maximum allowable value is displayed in the lower right hand corner of the screen. The minimum allowable value is displayed above the maximum allowable value.

- Use the left and right arrows to move within the input field.
- Use the down arrow key to delete the current character.
- Use the numeric keys to enter a new value.
- Press ENTER (,-) to send the value setting to the printer.
- Press ESCAPE (\otimes) to return to the previous screen without updating the value setting to the printer.

Note: If an invalid setting is sent to the printer, the selection will flash and the previous screen will not appear.

Operation

The figure below shows the numbers used in the section headings of this guide to identify the function keys on the remote control panel. Use the numbers to look up the description of a function or key icon.



Remote Control Panel Procedures *Keypad*

Keypad

1) TRANSPORT DIRECTION



RANS		T	
IREU	.1101	1	
Ν	R		

Transport Direction specifies the direction the substrate is moving under the printhead. See the DP5000 Series *Operator's Guide* for details on transport direction. This parameter has the following options:

N = Normal

The substrate moves under the printhead starting from the print array edge of the printhead.

R = Reverse

The substrate moves under the printhead starting from opposite the print array edge of the printhead.

Use the arrow keys to position the cursor and then press ${\prec}$ to make the selection.

2) SUBSTRATE LENGTH



SUBSTRATE LENGTH

59.00 IN 0.00 59.25 68.00

Substrate Length enters a value for the length of the print area. If 0 (zero) is selected, the print area length is determined by the cue sensor input.

The range for this parameter varies depending on the printer resolution as follows:

- 120 dpi resolution = 0.0 to 136.0 inches (0.0 to 345.44 cm).
- 240 dpi resolution = 0.0 to 68.0 inches (0.0 to 172.72 cm).
- 480 dpi resolution = 0.0 to 34.0 inches (0.0 to 86.36 cm).

Use the arrow keys to position the cursor, then use the numeral keys to enter a value and press rightarrow to confirm the entry.

Remote Control Panel Procedures Keypad

3) TACH RATE



Tach Rate specifies the rate of the tachometer installed on the document transport. This value is measured in pulses per inch (ppi) and the following options are available:

120

--→

Selects 120 pulses per inch (ppi)

240

Selects 240 ppi

480

Selects 480 ppi

960

Selects 960 ppi

Use the arrow keys to position the cursor and then press \dashv to make the selection.

Printer	Resolution (dpi)	Supported Tach Rate (ppi)	
5120/5122	120x120	120, 240, 480	
	120x240	120, 240, 480, 960	
5240	240x240	120, 240, 480, 960	
	240x480	240, 480, 960	

4) TACH SOURCE



TACH SOURCE

Tach Source specifies the source of the tachometer signal. The following options are displayed:

N = Normal

NKI

Tach is entered at the tach/cue connector on the printer connector panel.

K = K4K

If the K4K interface option is installed, the tach may be entered at the K4K connector on the printer connector panel.

I = Internal

Used for testing purposes only, this option generates an internal tach signal.

Use the arrow keys to position the cursor. Press \dashv to make the selection.

Remote Control Panel Procedures *Keypad*

5) BASE STOP MODE



BASE STOP MODE

Base Stop Mode selects the type of base stop signal to be used. This signal can be used by the printer to stop the document transport. The following options are available:

M = Momentary

The signal is activated for 3 seconds when the printer goes offline.

C = Continuous

The signal is activated when the printer goes offline and is deactivated when the printer goes online. This option allows the controller to test the printer for online/offline status at any time and prevents the document transport from being started when the printer is offline.

Use the arrow keys to position the cursor, then press \dashv to make the selection.

6) CHARACTER SET LANGUAGE



CHARACTER	SET
LANGUAGE	
11	1
13	26

Character Set Language selects from the following list of options:

1 = USA ASCII	13 = SPANISH-1
2 = IRV-2	14 = SPANISH-2
3 = UNITED KINGDOM	15 = SPANISH-3
4 = SWEDEN ISO-11	16 = SPANISH-4
5 = FINLAND/SWEDEN	17 = LATIN AMERICAN
6 = CANADA	18 = GERMAN
7 = JAPAN	19 = FRENCH-1
8 = ITALIAN-1	20 = FRENCH-2
9 = ITALIAN-1	21 = CHINA
10 = ITALIAN-1	22 = DANISH
11 = PORTUGUESE-1	23 = DANISH/NORWAY
12 = PORTUGUESE-2	24 = NORWAY
	25 = HUNGARY

26 = SERBIA/CROATIA/SLOVENIA

Use the numeral keys to enter the number for a character set from the list and then press \dashv to confirm the selection.

Use the numeral keys to select a display language value. Press $\lrcorner \!\!\!\! \ \,$ to make the selection.

7) CHARACTER SET MODE



(CHARACTER SET Mode 1 1 2 6

Character Set Mode selects the character set language from a list of extended character sets (character positions 128-255). The following options are available:

- 1 = USA ASCII-7
- 2 = IBM PC-8
- **3** = Danish/Norwegian-8
- **4** = Roman-8
- **5** = ECMA-94
- $\mathbf{6} = \mathsf{ISO}$

Use the numeral keys to select a value and press \dashv to make the selection.

8) DEFAULT FONT



+6180 DEFAULT 6148 FONT 6292 +6320

Use the up and down arrows to scroll the list. Press \dashv to make the selection.

Select the default font for the printer from the list of available fonts. The default font is selected by ID number. The font list is sorted by number in ascending order.

While the font list is being read from the printer, the busy indicator, a small bar (----) will rotate in the lower left corner of the display.

The plus sign (+) appears by the top entry or bottom entry when more entries are available above or below those shown on the display.

9) TEXT ORIENTATION and K4K INPUT FORMAT



TEXT OR IENTATION K4K INPUT FORMAT

Use the arrows to select a parameter, then press \rightarrow to display that screen.

Text Orientation



Use the arrows to select and then press \downarrow confirm one of these options:

0°

The printed image is readable as printed when the substrate is moving left to right.

90°

The image is printed perpendicular to substrate movement with the left edge of the text against the top of the piece.

180°

The image is printed upside-down when the substrate is moving left to right.

270°

The image is printed perpendicular to substrate movement with the left edge of the text against the bottom of the piece.

K4K Input Format



Use the arrows then \dashv to select and confirm one of these options:

N = Native Input Command (NIC) input

A = Admark format.

10) DEFAULT LINE SPACING

Use the up and down arrows keys to scroll the list. Press \rightarrow to make the selection.

The plus sign (+) appears by the top entry or bottom entry when more entries are available above or below those shown on the display.



3	DEFAULT
4	LINE
5	SPAC ING
6	LZIN

F = FONT SET

F appears at the top of the scroll when the line spacing is taken from the active font.

U = USER DEFINED

U appears at the bottom of the scroll.

When U is selected, the following input screen appears.

DEFAULT SPACING	LI	NE	_
025	IN	0.00	
0.45		100	

Use the arrow keys to position the cursor. Use the numeral keys to enter a value. Press \dashv to send the value to the printer. Press \otimes to enter no values and to return to the selection screen above.

If English is the selected unit of measure, the following options are available:

Font Set, 2 lpi, 3 lpi, 4 lpi, 5 lpi, 6 lpi, 7 lpi, 8 lpi, 9 lpi, 10 lpi, 11 lpi, 12 lpi, and User-Defined.

If Metric is the selected unit of measure, the following options are available:

Font Set, 0.8 l/cm, 1.2 l/cm, 1.6 l/cm, 2.0 l/cm, 2.4 l/cm, 2.8 l/cm, 3.2 l/ cm, 3.6 l/cm, 4.0 l/cm, 4.4 l/cm, 4.8 l/cm, and User-Defined.

Remote Control Panel Procedures *Keypad*

11) CUE DELAY



CUE DELAY 1.20 IN 0.00 1.50 68.00

Cue Delay is the distance from the leading edge of the substrate to the start of the image target area. This value determines image position, which is the first line of the printed image as it appears on the substrate.

Cue Delay has the same maximum length limits that Substrate Length has (based on resolution setting).

Use the arrow keys to position the cursor. Use the numeral keys to enter a value and then press rightarrow to confirm the entry.

12) CUE DISTANCE



CUE DISTANCE		
2 50	ΙN	1 00
12.50		68.00

Cue Distance is measured from the cue sensor to the print array. The minimum cue distance 1.0 in. (2.54 cm). (See the DP5000 Series *Operator's Guide* for details on cue distance.)

Cue Distance has the same maximum dimension limits that Substrate Length has (based on resolution setting).

Use the arrow keys to position the cursor, then use the numeral keys to enter a value and press rightarrow to confirm the entry.

Remote Control Panel Procedures *Keypad*

13) CUE SOURCE



CUE SOURCE N K I O NI KI II OI

Use the arrow keys to select on of the following options, then press \dashv to confirm the selection.

N = Normal

Cue is entered at the tach/cue connector on the printer connector panel.

K = K4K

If the K4K interface option is installed, cue may be entered at the K4K connector on the printer connector panel.

I = Internal

Used for testing purposes only, this option generates an internal cue signal.

0 = I/O

Cue is entered at the I/O connector on the printer connector panel.

NI = Normal Inverted

Inverts the current cue signal coming from the tach/cue connector.

KI = K4K Inverted

Inverts the cue signal co5ming from the K4K connector.

II = Internal Inverted

Inverts the cue signal being generated internally.

OI = I/O Inverted

Inverts the cue signal coming from the I/O connector.

14) CUE ERROR



CUE ERROR

Use the arrow keys to select one of the following options, then press \dashv to confirm the selection.

I = Ignore

Continue printing when a cue or piece overrun error is detected.

C = Cue

Stop printing when a cue overrun error is detected and report error MC-05. This error occurs when the substrate feed rate is too high, data is missing, or too much data exists for each image.

P = Piece

Stop printing when a piece overrun error is detected and report error MC-08. This error results from an image length that exceeds the print area. See Parameter 2. "Substrate Length".

C/P = Cue/Piece

Stop printing when a cue or piece overrun error is detected. Either an MC-05 or MC-08 error message is generated.

Remote Control Panel Procedures *Keypad*

15) CUE MODE



CUE MODE

Cue mode specifies the printer's internal response to the cue signal.

Use the arrow keys to select one of the following options, then press \dashv to confirm the selection:

N = Normal

The printer handles cue distance, cue delay, and time of flight compensation information when the cue signal is received.

P = Pass Through

Printing is enabled immediately after the cue signal is received, with no delay for internal processing.

W = Web

Printing begins when the cue signal is received and continues as long as data is available to print.

16) PRINTHEAD HEIGHT



PRINTH	EAD	HEIGHT	
0.25	TN	0.00	

1.00

030

Printhead Height specifies the distance between the print array (bottom of the printhead) and the substrate.

Use the arrow keys to select one of the displayed values, then press \dashv to confirm the selection.

Apply the following guidelines to setting this parameter:\

- Printhead height affects print quality. To ensure the highest print quality, the lowest possible print height should always be used.
- Optimum print quality for both the 5120, 5240, and 5122 printers is obtained at a printhead height of 0.125 inch. (3.2 mm). At this height, high resolution print is at Near Letter Quality (NLQ).
- When using a printhead height that exceeds 0.125 in. (3.2 mm), select Odd Skip/Even Skip as the Print Density.
- Using Odd Skip/Even Skip print density reduces the maximum print job speed. Test samples should always be printed to verify that print quality is appropriate for the current job.

Remote Control Panel Procedures *Keypad*

17) PRINTHEAD PHASE



Use the arrow keys to position the cursor, then press \dashv to confirm the selection.

Enter the value for the printhead charging phase, which appears on the printhead label. This value is factory-set for the 5240 and 5122 printheads (but not the 5120 printhead). Phase can be adjusted if problems with print quality arise. The range is 1 to 55 counts. Check print quality after adjusting this value. (See the DP5000 Series *Operator's Guide* for details on verifying print quality.)

18) PRINTHEAD VOLTS



PRINTHEAD	VOLTS	
14 0	100	
145	180)

Use the arrow keys to position the cursor, then press \dashv to confirm the selection.

Enter the value for the charge lead voltage being applied to the printhead, which appears on the printhead label. This value is factory-set for the 5240 and 5122 printheads (but not the 5120 printhead), and that setting is on printhead label. Voltage can be adjusted if problems with print quality arise. The range is 100 to 180 volts. Check print quality after adjusting this value. (See the DP5000 Series *Operator's Guide* for details on verifying print quality.)

19) PRINT DENSITY



Print Density is the number of drops of ink used to produce a dot of ink on the substrate. Print quality can be improved by changing print density, making the image lighter or darker; however, changing print density can also affect print resolution, making the resolution of smaller fonts more difficult to read.

Use the arrow keys to select one of the following options, then press \dashv to confirm the selection:

1 = 1 Drop per Dot

One drop of ink is released to print one dot of ink on the substrate.

2= 2 Drops per Dot

Two drops of ink are released to print one dot of ink on the substrate.

O/E = Odd/Even

One drop of ink is released to print a dot of ink on the substrate; however, every other drop of ink is skipped. This option can improve print quality by eliminating a condition known as crosstalk. Crosstalk occurs when the charge applied to one drop of ink disturbs the flight of an adjacent drop, causing that drop to be deflected. This parameter is not valid for the 5240 printer.

OS/ES = Odd-Skip/Even-Skip

Printing occurs every second cycle, alternating with a non-printing cycle. This option should be used when printing at printhead heights exceeding the recommended height of 0.125 in. (0.32 cm). Print quality is improved by reducing crosstalk.

20) RESOLUTION



RESOLUTION

120x120 120x240

Select the print resolution, which is the degree of sharpness of an image, measured in dots per inch (dpi). Vertical print resolution is perpendicular to document movement, while horizontal resolution is parallel to document movement. Control Panel only displays the parameter options available for the printer you are operating.

When the print resolution is changed, the printer reloads its embedded fonts. This operation may take several minutes.

When printing at high resolution, use a high resolution font and set the printhead height at 0.12 in. (0.30 cm) or less from the substrate.

Use the arrow keys to select one of the following displayed options, then press \dashv to confirm the selection:

120x120

Standard resolution for the 5120 and 5122

120x240

High resolution for the 5120 and 5122

240x240

Standard resolution for the 5240

240x480

High resolution for the 5240.

21) PIECE TERMINATION and SORT CONTROLS



Use the arrows to select a parameter, then press \dashv to display that screen.

Piece Termination



Piece Termination specifies the method used by the printer to identify when the last piece of data for a piece is received.

Use the arrow keys to select one of the following options, then press \dashv to confirm the selection:

M = Margin

The end of the piece is reached when the bottom margin is exceeded or the printer receives a form feed character.

F = Form Feed

The end of the piece is reached when the printer receives a form feed character.

Sort Controls

SORT	MODE	
ACTIV	/ATION	EDGE
SORT	PULSE	WIDTH
SORT	A-E	

Sort controls define how sort commands are processed when present.

Use the arrow keys to select any of the following four parameters displayed, then press \dashv to display the screen for that parameter:

SORT MODE ACTIVATION EDGE SORT PULSE WIDTH SORT A-E

Sort Mode



Use the arrow keys to select one of the following options, then press \downarrow to confirm the selection:

S = Select

Use when only one sort gate is activated per document.

B = Binary

Use when two or more sort gates are activated per document. The combination is based upon the binary value of the character in the sort commands. When binary is used, the sort command in the input data determines the sort gate to be activated; however, each sort gate uses the delay and duration values assigned to sort code A. Remote Control Panel Procedures *Keypad*

Sort Activation Edge



Sort Activation Edge specifies the edge of the piece at which the sort gate activation or deactivation occurs. Use the arrow keys to select one of the following options, then press \downarrow to confirm the selection:

L = Leading

Activation and deactivation of the sort gate occurs at the start of the first row of the printed image.

T = Trailing

Activation and deactivation of the sort gate occurs at the end of the last row of the printed image.

Sort Pulse Width

SORT F	PULSE	WIDTH	
012	Sec	000	
4.56		999	

Sort Pulse Width determines the length of time in seconds that the sort gate remains active. The range is 0.00 to 9.99 sec. The sort gate is activated in 0.01 sec. increments. If a pulse width of 0.00 is selected, the sort pulse is activated for a cue period. A cue period is the time elapsing between signals. Use the arrow keys to position the cursor, then use the numeral keys to enter a value and press \dashv to confirm the entry.

Note: Because 0.01 seconds is too short to activate the relay, the minimum delay should be 0.02 seconds.

Sort A-E



Sort A-E specifies the handling of five sort gate outputs for the printer. Use the arrow keys to select on the displayed sort codes, then press \downarrow to display the screen for that code.



On the Sort Code display, use the arrow keys to select each of the following parameters, then press \leftarrow to display the screen for that parameter:

DELAY

DURATION

SORT	A		
DELA	ŕ		
1		0	
5		99	

Sort Code Delay is the number of pieces printed between detection of a sort code and activation of the specified sort gate. When a value of 0 is entered, the sort gate is activated at the document containing the code. When the sort mode is Binary, only values for sort code A are applicable. The range is 0 to 99 pieces. Use the arrow keys to position the cursor and then use the numeral keys to enter a value. Press \rightarrow to confirm the entry.

Remote Control Panel Procedures *Keypad*

SORT	A	
DURAT	ION	
5		0
6		99

Sort Code Duration is the number of pieces printed before the sort gate is deactivated. When the sort mode is Binary, only values for sort code A are applicable. The range is 0-99 pieces. When 0 is selected, the sort gate is not activated.

If a sort gate is already activated and that sort gate is detected again, the sort gate remains active for the specified duration for the second time. The delay and duration values have the same meaning for the other gates.

Use the arrow keys to position the cursor and then use the numeral keys to enter a value. Press \dashv to confirm the value.

22) PRINTING COMPLETE

|--|

PRINTING COMPLETE L 10µs T 10µs L 20ms T 20ms

Printing Complete specifies when you wish the host controller to be notified that a piece has been printed by specifying the edge of the document at which the printing completed signal is activated. Use the cursor to select one of the following options, then press \dashv to confirm the selection:

T 10µs

Selects TRAILING edge and 10 microseconds

L 10µs

Selects LEADING and 10 microseconds

T 20ms

Selects TRAILING and 20 milliseconds

L 20ms

Selects LEADING and 20 milliseconds

The following guidelines apply to these parameters:

Trailing

The signal is activated when at the end of the last row of the printed image.

Leading

The signal is activated at the start of the first row of the printed image.

23) DUPLICATION COUNT



Duplication Count specifies the number of times (1 to 999999) the printer is to print the document. For example, if 5 is entered, 5 copies of the document are printed.

Use the arrow keys to position the cursor, then use the numeral keys to enter a value and press rightarrow to confirm the entry.

24) UNITS



UN	IT	S	
	I	M	

Units selects the units of measure for position and length values. Use the cursor to select one of the following options, then press \dashv to confirm the selection:

L

INCH selects English units of measure

М

METRIC selects standard International units of measure.

Remote Control Panel Procedures *Keypad*

25) ERRORS



When the errors key (?) is pressed, one of the following displays appears:

ERRORS

Any pending error is displayed (example shown below).

ER	RORS	
J	IJ-18	

ERROR LOG

If no error is pending, the error log is displayed (as shown below).





Use the up and down arrow keys to scroll through the log (if it contains multiple entries). The last entry logged by the printer is entry 1. To view previously logged errors, press the down error.

Press \rightarrow to clear display and return to previous display.

26) PRINTHEAD STATE TABLE



PRINTHEAD STATE TABLE N C P

Printhead state table select a fluid system state for the printer. Use the cursor to select one of the following options, then press \dashv to confirm the selection:

C = Circulate

Defines the states used to bring up the printhead for diagnostic operation.

N = Normal

Defines the states used to bring the printhead up or down during normal operation.

P = Purge

Defines the states used during a fluid system purge.

Transitions between states take varying amounts of time.

27) PRINTHEAD STATE NUMBER





Printhead State Number specifies the state within the active table selected by the Printhead State Table key. The current state is displayed over the previous state. A rotating bar (—) displayed in place of the previous state indicates the printer is in transition to prior requested state.

Use the arrow keys on this display to select a fluid system state. Position the cursor of the state number and use the numeral keys to enter a value, then press enter (\downarrow) to put the printer in that state.

The current state is identified by the following codes on this display:

Ν

Selects the Normal Up table

С

Selects the Circulate table

Ρ

Selects the Purge table.

Transitions between states take varying amounts of time.

28) PRINTHEAD COMMAND



PRINTHEAD COMMAND S R D C

Printhead commands generate the printer operations listed below:

S

Selects Standby to turn the fluid system on with the eyelid closed. This state allows you to leave the fluid system on but protects the orifice plate from contamination. Use this action when leaving the printer idle for more than 1 hour (but less than 7 hours) or when troubleshooting.

R

Selects Ready to turn the fluid system on with the eyelid open. The printer must be placed in the ready before attempting to print.

D

Selects Down to turn the fluid system off and close the eyelid.

С

Initiates a printhead clean.

Use the arrow keys to position the cursor over a code, then press \dashv to enter that command.

IJPDS Ethernet Kit

If the remote control panel is to be used with a 5000 series printer with the IJPDS Ethernet Kit option, only the following functions will be accessible on the Remote Control Panel.

- Tach rate
- Tach source
- Cue source
- Cue mode
- Printhead phase
- Printhead volts
- Resolution
- Errors
- Printhead state table
- Printhead state number
- Printhead commands

If the remote control panel is used with a 5000 series printer operating with IJPDS Ethernet, the following screen will be displayed when a function is selected that is not available.

NOT SUPPORTED

Press \dashv or \otimes to return to previous display.

