

Keyboard Display Unit



Eltron

**GENERAL
INSTRUCTIONS**

The Keyboard Display Unit (KDU) is a terminal unit that interfaces with Eltron's LP+, TLP and P2242 Series printers in a stand-alone capacity.

The KDU has sixty-two (62) keys and a 2-line, 20 character LCD display. The KDU is powered by and communicates with the printer through an RS232 serial port with a DB-9 (standard printers) or RJ-11 (P2242 portable printers). The KDU has an auxiliary RS232C serial port for input only (e.g., from a scanning device, magnetic stripe reader, scale, ...). The KDU provides +5 volts to the auxiliary port.

The KDU is strictly a terminal and does not have the capability to store data or set up parameters. The KDU is used for the following functions:

- List label forms stored in printer
- Retrieve label forms stored in printer
- Input variable data
- Printing labels

SET UP Switch the printer power to OFF and connect the KDU's connector (DB-9 or RJ-11) to the printer's serial port, then switch power ON.

International Characters - Set the printer to the correct country code (see printer programming manual).

For International KDU Kits Only - Using the enclosed character set overlay, position over the orange keys, from "\$" in the upper left to "1/4" in the lower right. To activate these characters, hold down the SHIFT key and enter your selection.

OPERATION Use the following steps to retrieve label form and produce labels with the printer and KDU.

① **Start Up** At power ON, the Main Menu reads:

FORM - retrieve form
F2 - list forms vx.x

② **List of Saved Forms** Press the F2 key to print a list of saved forms.

The time and date will print out if that option is installed. If not installed, the time and date will print as zeros.

- ③ Press the FORM key. The top line in the display will prompt:

Enter Form Name:

Enter the form name using the keys on the keyboard. Upper and lower case letters must match exactly as the form name was saved. If a scanner is connected to the KDU, you may enter the form name by scanning.

When the form name is entered, press ENTER to continue. The form is now retrieved and active in the printer.

***Printing Forms
without Variables***

If the form does not contain variables, the display line will prompt:

Number of Label Sets 1_

The default number of labels is always one (1).

Single Label - If one (1) label is desired, press ENTER to print that label.

Multiple Labels - If multiple labels are desired, enter the new quantity and press ENTER to print labels.

Exit a Form - Press EXIT at any time to return to the Main Menu, or press FORM to select another form.

Printing Forms with Variables If the form contains variables, the display line will display the 1st variable prompt, i.e.:

Store No. _

Enter data at each variable prompt and press ENTER. The final prompt is:

Number of Label Sets 1_

The default number of labels is always one (1).

Single Label - If one (1) label is desired, press ENTER to print that label.

Multiple Labels - If multiple labels are desired, enter the new quantity and press ENTER to print labels.

Exit a Form - Press EXIT at any time to return to the Main Menu, or press FORM to select another form.

**Printing Forms
with
Consecutive
Number Fields**

If the form contains a consecutive number field, the system will automatically keep track of the next number sequence. If you do not need to interfere with this predetermined sequence, press ENTER at this prompt. The final prompt is:

Copies of Each Label 1_

The default number of copies is always one (1). If one (1) copy is desired, press ENTER to print that label.

Note: Change the quantity if you desire multiple labels with the same consecutive number.

Edit a Form

Once a form has been activated, it will automatically indicate the last information keyed in. If you want to retain that information, press ENTER.

To Enter Data:

- 1) Enter the new data, thereby overriding the old data, **or**
- 2) Press ENTER if the old data is correct, **or**
- 3) Use the orange backspace key or the CLEAR key to modify data.

When you have finished editing and have printed the label, you will automatically return to the first variable prompt.

Exit a Form - Press EXIT at any time to return to the Main Menu, or press FORM to select another form.

Protecting Data If the label form has been designed to “hide” a variable prompt, i.e., Store No., that data will be protected and this prompt will appear only when the form is initially retrieved.

Another label design command will prevent a prompt from ever showing and may be desirable for applications where data should not be changed, i.e., Serial Numbers. This method is not supported by the P2242 printer. For information on designing, accessing and modifying protected prompts, see the EPL2 Programming manual.

Technical Data The auxiliary RS232C port is a 9 pin, female D-sub connector.

Pin configuration is:

Pin	Description
1	Optional: +5 volts, 150 mA
3	Receive data (RxD)
5	Ground
6	Ready (RDY)
9	+ 5 volts
2, 4, 7 & 8	No Connection (N/C)

Communications The auxiliary port has 4800 Baud Rate, Odd Parity, 8 Data bits, 1 Stop bit.

The KDU communication to the printer is 9600 Baud, No Parity, 8 Data bits, 1 Stop bit. (Firmware Rev. 11/93 or later).

Agency Approvals Complies with FCC Class A, CE Class B and CSA.

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.

This equipment does not exceed Class A limits for radio noise emissions for digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps are necessary to correct the interference.

Cet equipment ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques tels que prescrites par le Règlement sur le brouillage radioélectrique établi par le ministère des Communications du Canada. L'exploitation faite en milieu résidentiel peut entraîner le brouillage des réceptions radio et télé, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

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