

Installation & Operation

P/N 1-960416-02
Edition 3
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EasyCoder C4 Keyboard Display Unit

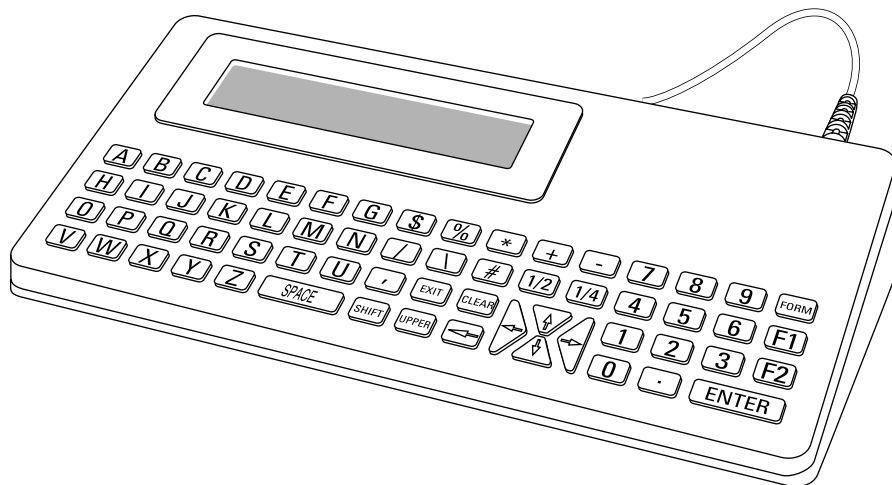
 **intermec**
Technologies Corporation

A **UNOVA** Company

1. Keyboard/Display Unit

Description

The Keyboard Display Unit (KDU) is a terminal unit that provides Intermecc EasyCoder C4 with a stand-alone capacity.



The KDU has sixty-two (62) keys and a 2×20 characters LCD display. The KDU is powered by and communicates with the printer through a cable connected to the printer's RS-232 port.

The KDU also has an auxiliary RS-232 port for input only, that is, from a scanning device, magnetic stripe reader, scale, etc. The KDU provides +5V to the auxiliary port.

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

- List label forms stored in printer.
- Retrieve stored label forms.
- Input variable data.
- Print label.

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The KDU has the following dimensions:

Width:	195 mm	(7.68 inches)
Depth (incl. cable):	110 mm	(4.33 inches)
Height:	29 mm	(1.14 inches)
Weight:	0.25 kg	(0.55 lbs)

Setup

Check that the printer is set up for the following communication protocol, for example by issuing a **U** command or entering the Test Mode:

Baud rate 9600, Parity none, Data bits 8, Stop bits 1.

If not, reset the communication parameters using a **Y** command.

Check that the printer is set up correctly in regard of number of data bits (8), printer country code, and KDU country code using the **I** command.

The KDU comes with a set of self-adhesive overlays that can be stuck above the special character keys (\$,%,*;+ - and /,\,#, ½, and ¼) in order to mark which keys to use for special national characters produced when selecting certain KDU country codes. Refer to instructions at the back of the overlay set.

Refer to the *EasyCoder C4, Programmer's Guide* for information on the various modes and commands.

Switch the printer power to OFF and connect the KDU's 9-pin connector to the printer's serial port, then switch the power ON.

Startup

At power ON, the Main Menu reads:

```
FORM - retrieve form
F2 - list forms vx.x
```

Press the <F2> key to print a list of saved forms.

The time and date will print out if that option is installed. The time and date will print as zero's.

Print a Form

Retrieve a Form

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 lowercase letters must match exactly the name under which 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.

Form 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.

Form with Variables

If the form contains variables, the display line will display the 1:st variable prompt, that is:

```
Store No.
```

```
_
```

Enter data at each variable prompt and press <ENTER>.

Print a Form, cont.

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.

Form 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 quantity if you desire multiple labels with the same consecutive number.

Print a Form, cont.

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, for example 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, for example Serial Numbers.

Auxiliary Port

The auxiliary port is intended for RS-232 communication from for example a scanner or magnetic strip reader and is provided with a female DB-9pin connector.

The pin configuration is:

Pin 1	Optional + 5V, 150 mA
Pin 2	N/C
Pin 3	Receive data
Pin 4	N/C
Pin 5	Ground
Pin 6	Ready
Pin 7	N/C
Pin 8	N/C
Pin 9	+ 5V, 150 mA

The communication is permanently set to:

Baudrate	4800
Data Bits	8
Parity	Odd
Stop Bits	1