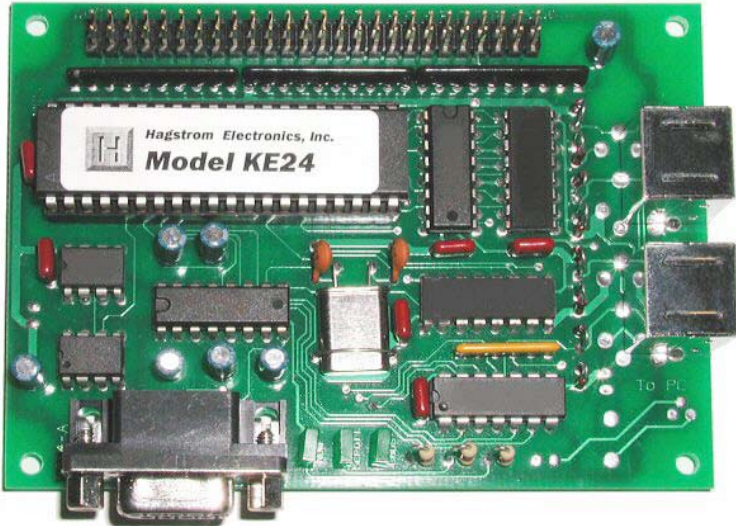


KE24 Keyboard Encoder

A Full-featured, Programmable PS/2 Interface to your PC Keyboard Input



The KE24 is the ultimate in keyboard encoder flexibility. Each of the 24 I/O pins of the header can be programmed as a Row, Column, or as an individual input.

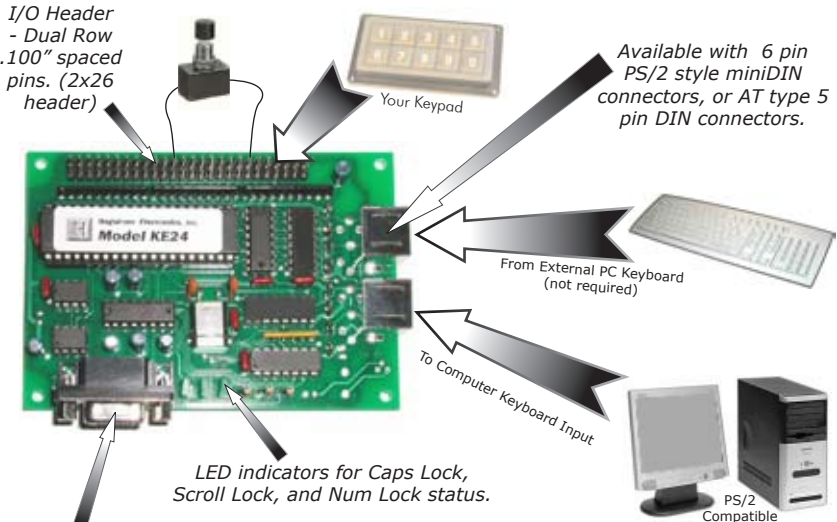
KE24 Features

- Provides all necessary communication to the PC. Operates with or without the keyboard attached.
- Program up to 12 x 12 matrix for your application. Pins not used as Row or Columns can be used as individual inputs.
- Any input may be assigned a Macro sequence of up to 16 keystrokes.
- Use the RS-232 port in any of these modes:
 - RS-232 to PC keyboard port
 - Keypad input to RS-232 port
 - PC keyboard to RS-232 port
- Includes PC application for configuring the KE24.
- Available with 6 pin miniDIN keyboard connectors or 5 pin DIN keyboard connectors.

Input from the keyboard, keypad or switches can be directed to the keyboard input on the PC or to the RS-232 port.

Switches and/or keypads can be connected to the KE24 I/O header. Any of the I/O pins can be configured as a Row or Column in a matrix, or as an individual input. Each matrix position or input may be programmed to emulate any of the keys found on a standard keyboard, or the response from inputs may be assigned to a Macro (series of keystrokes).

The KE24's adaptability allows the user to take "off the shelf" keypads and other devices, and plug them directly into the KE24 header at the most convenient point. Once connected, use the configuration software to specify which pins are Rows, Columns, or individual inputs. The KE24 scan lines can be configured and arranged to scan the keypad so that no wiring alterations are needed to use your custom keypad. The KE24 stores the configuration in non-volatile memory, so it is maintained with power off.

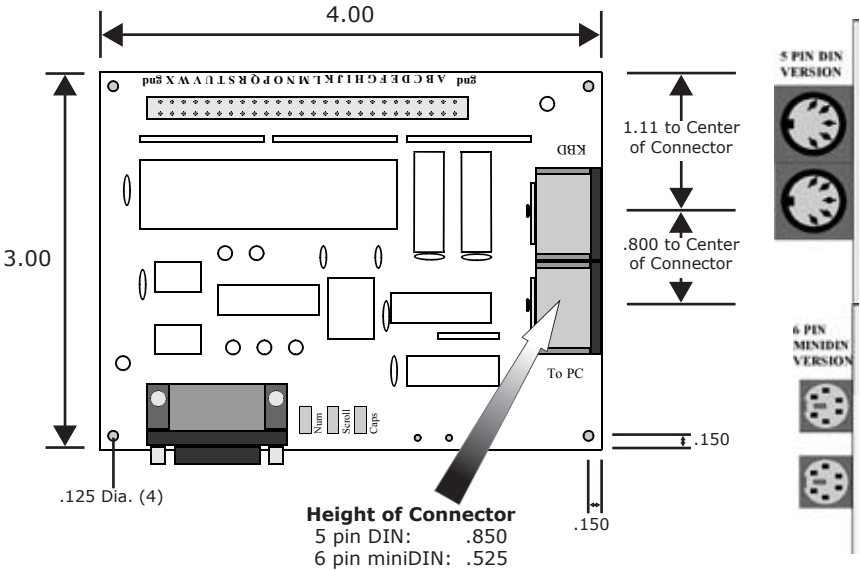


RS-232 Port: Data into this serial port can be sent to the PC keyboard port to simulate keystrokes from a keyboard. Switches and keypads connected to the KE24 I/O header may be programmed to send their responses to this port instead of the PC keyboard port. Operates at standard selectable speeds from 300 to 19,200 Baud.

There are no special drivers required to run the KE24, since it is strictly a hardware interface.

The KE24 features an RS-232 port that can be used for data conversion in the user's application and is also available for programming the KE24 configuration.

KE24 Specifications



Note: Dimensions are in inches.

Operating Voltage	5 Volts DC +/- 5%
Operating Current	65 ma Typical
Operating Temp.	0 to 70 Degrees C
PC Interface	PC Compatible
Keyboard Interface	PC Compatible
I/O Header	24 I/O, up to 12x12 Matrix (programmable)
Req. Input Current	1 ma of sink current for discrete inputs