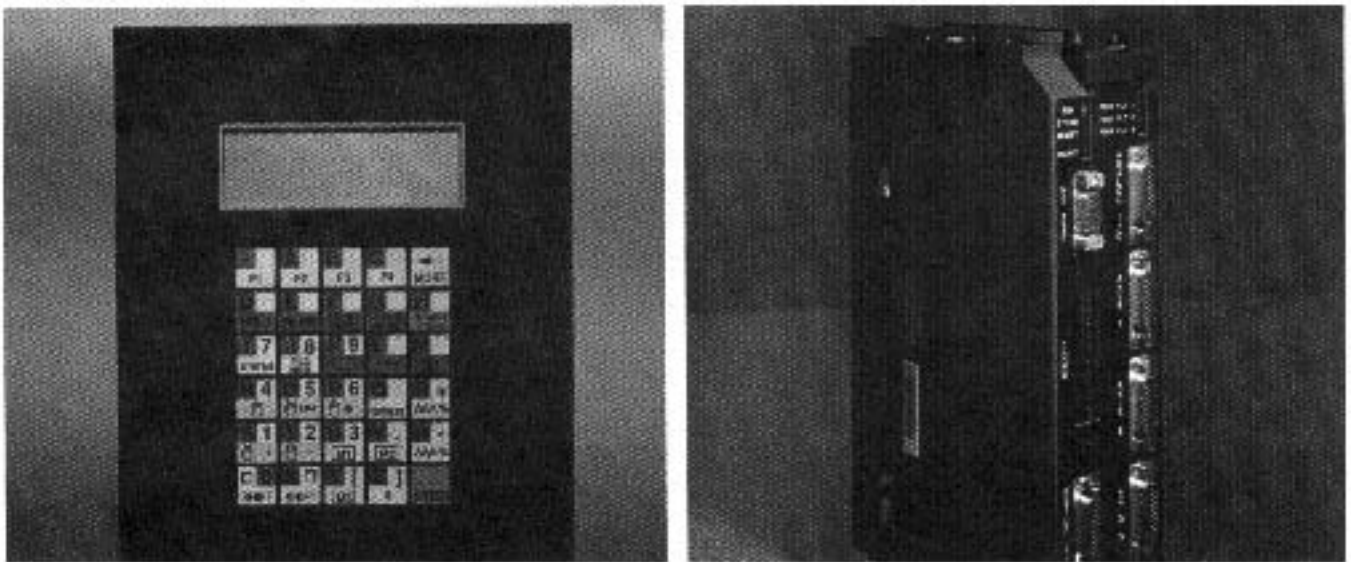




## **Panel Mount Terminal**

(Cat. No. 1771-HDP)

### Product Data



**Easily install the panel mount terminal** and connect directly to the RS-232 port of an IMC-121, IMC-123 or IMC-123CR motion controller module.

**Use the terminal's menu-driven display and color-coded keypad to perform functions such as:**

- teach and display initialized or uninitialized variables (positions, paths) and modify positions or pathnodes
- home the axis(es)
- jog the axis by incremental distance or continuously in any direction
- set retract or restore outputs

## **Other Functions You Can Perform with the Panel Mount Terminal**

You can also use the panel mount terminal to:

- find out the position of the axis(es) after E-Stop
- find out if the position is in or out of tolerance after an E-Stop or power fail
- perform the file manager functions to:
  - display the size, number and name of the MML programs stored on the memory cartridge
  - select, copy, delete or rename programs
  - remove debug information
  - find how much file space is available for paths and programs
- monitor the following information from the terminal's display:

### **Program Data**

- Axis lootype: Open/Closed
- Axis(es) homed:Y/N
- Axis(es) stopped Y/N
- Axis(es) at home Y/N
- program name
- step number
- status
- wait

### **Machine Data**

- current position
- following error
- actual axis speed
- speed override

### **Jog Status**

- type
- speed
- axis number

### **Programmed Motion**

- end point(s) of the move
- distance to end point
- programmed speed(s)
- step number now being run
- node number
- torque(s)
- Number of slave teeth of ratio (IMC-123CR only)
- Number of master teeth of ratio (IMC-123CR only)
- Axis(es) position(s) monitored

### **Mode**

- normal/estop
- auto/manual
- continuous/step
- normal/dry run
- inch/millimeter
- degrees/revs

### **Errors**

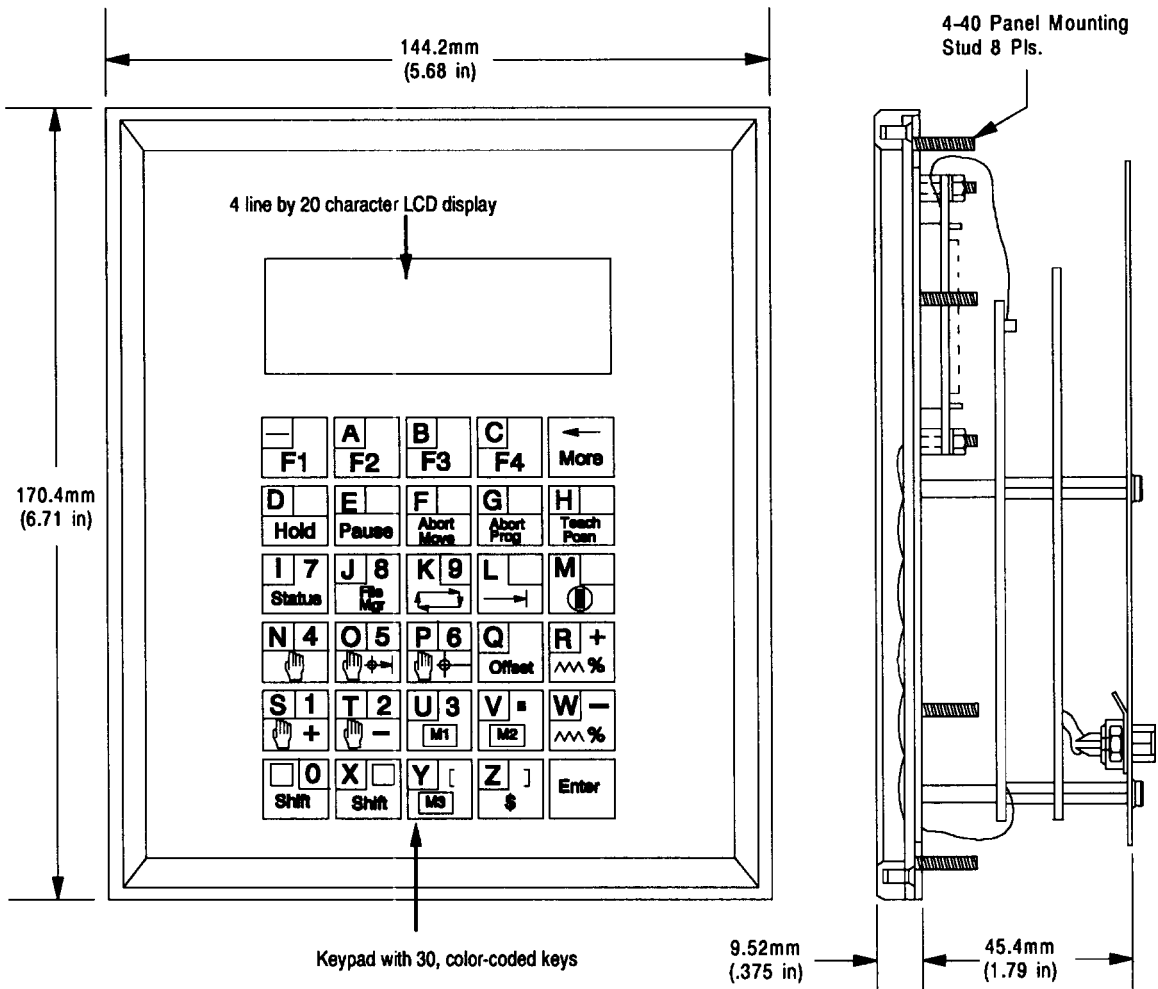
- error message
- step number where error was found

## The Panel Mount Terminal

The terminal has six macro keys (3 dedicated and 3 user-defined) to reduce the number of keystrokes you use to execute handheld pendant functions. The terminal also has keys with international symbols to make them more identifiable.

Figure 1 shows panel mount terminal's dimensions, display, and keypad.

**Figure 1**  
The Panel Mount Terminal



19372

## Specifications

<b>Connections</b>	<ul style="list-style-type: none"> <li>▪ Connects directly to RS-232 port of the motion controller module with 9-pin D-Shell at module to the flat panel interface connector</li> <li>▪ Can connect 1200 ft (393 M) between module and operator panel with the long-line option</li> </ul>
<b>Dimensions</b>	5.68" W x 6.71" H x 1.5" Maximum Depth
<b>Weight</b>	Less than 2 lbs (0.9Kg)
<b>Buttons, Switches, and Keys</b>	30 key color-coded hard and soft-key keypad
<b>Operating Temperature</b>	0 deg. C to 50 deg. C
<b>Humidity</b>	5% to 95% R H (non-condensing)
<b>Power</b>	provided by the motion controller module through the 10 ft cable included with the panel mount terminal

## For More Information

For more information on the panel mount terminal, please refer to the Panel Mount Terminal User Manual (Pub. No. 1771-6.5.98).



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