



Allen-Bradley IMC 123 Termination Panels (Cat. Nos. 1771-HT3, -HTR, -HTE, -HTT)

To the Installer

This document provides information on:

- mounting the termination panels
- cable routing and shielding practices
- connecting cables and wiring
- making your own cables
- specifications

Pre-installation Considerations

Four types of termination panels serve the connection needs of the IMC 123 motion controller module. They are:

- ESTOP I/O termination panel (cat. no. 1771-HT3) – connect E-Stop string, E-Stop Reset pushbutton, fast inputs and outputs, and servo drive enable
- Encoder feedback termination panel (cat. no. 1771-HTE) – for encoder feedback devices and servo drives
- Resolver feedback termination panel (cat. no. 1771-HTR) – for resolver feedback devices, servo drives, and auxiliary power
- Temposonic feedback termination panel (cat. no. 1771-HTT) – for temposonic transducer feedback devices, servo drives, transducer power, and auxiliary power

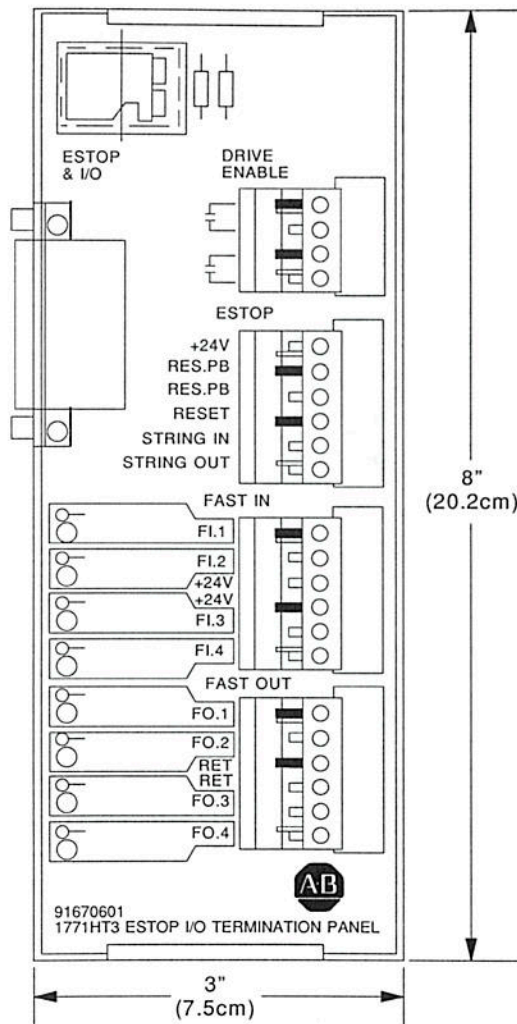
Important: Total cable length from the termination panel to the feedback devices should be no further than:

- 40 cable feet for +5VDC encoders if you don't use an external power supply
- 90 cable feet for +5VDC encoders if you use an external power supply
- 90 cable feet for + 15VDC encoders
- 90 cable feet for resolvers

Power Requirements

All user connections with the exception of the RS-232 port, RS-422, and user side power are routed through the termination panels. User side (isolated) voltages of +5VDC and +15VDC for encoder power (chosen by wiring to the appropriate connector pin), and +24VDC for fast I/O are available on-board. All connections are designated on the boards (see figures 1-4).

Figure 1
E-stop/Fast I/O Termination Panel



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