About this Manual:

This manual describes CompoBus/D (using DeviceNet) and serial communications (using the RS-232C auxiliary setting jack) for E5ZE-8□□□D1□B Multipoint Temperature Controllers and includes the sections described below. CompoBus/D communications are described in part 1 and serial communications are described in part 2.

Please read this manual carefully and be sure you understand the information provided before attempting to use CompoBus/D communications with an E5ZE Multipoint Temperature Controller.

Read the following manuals before operating a E5ZE-8□□□D1□B Multipoint Temperature Controller.

E5ZE Multipoint Temperature Controller Operation Manual (Cat. No. H076)

CompoBus/D (DeviceNet) Operation Manual (Cat. No. W267)

Part 1: CompoBus/D Communications

Section 1 provides an overview of remote I/O and FINS messages that are supported by the E5ZE through CompoBus/D communications.

Section 2 provides details on installing the E5ZE in a CompoBus/D Network and setting the DIP switch.

Section 3 details remote I/O communications, including word allocations in the PC, operating status, flags, and applications.

Section 4 provides details on FINS messages, including command and response formats, the instructions used by the PC to execute FINS message communications, and tables of set points and measured temperatures showing setting ranges, defaults, data types, and addresses.

Section 5 provides details on response end codes and indicators used to identify communications errors.

Section 6 provides programming examples for both CV-series and C200HX/C200HE/C200HG PCs.

The ***Appendix*** provides details on multi-vendor applications.

Part 2: Serial Communications

Section 1 provides general information on serial communications and communications checks.

Section 2 provides a list of commands, end codes, and error codes. Information on writing and reading data sets are also provided.

Section 3 describes the basic temperature control commands

Section 4 describes the commands that are used according to the application.

Section 5 describes the commands used for heater burnout and SSR failure detection.

Section 6 describes the commands used for heating and cooling control.

Section 7 describes the commands used for fuzzy control.

Section 8 describes the commands used for starting and stopping operation.

The ***Appendices*** provide communications programming examples and an ASCII code list.

⚠WARNING Failure to read and understand the information provided in this manual may result in personal injury or death, damage to the product, or product failure. Please read each section in its entirety and be sure you understand the information provided in the section and related sections before attempting any of the procedures or operations given.