

SECTION 1

Overview of Communications Functions

This section provides an overview of remote I/O and FINS messages that are supported by the E5ZE for CompoBus/D communications.

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1-1 CompoBus/D

The CompoBus/D is a multi-vendor network that conforms to the DeviceNet open field network specification. The E5ZE Multipoint Temperature Controller used with CompoBus/D communications supports the following transmission services.

- Remote I/O
- FINS message communications

For details on the methods for connecting and configuring a CompoBus/D Network, refer to the *CompoBus/D (DeviceNet) Operation Manual (W267)*.

This part of the manual describes mainly how to operate the E5ZE as a Slave in a CompoBus/D Network. It is assumed that the E5ZE is connected to an OMRON CVM1-DRM21-EV1 or C200HW-DRM21-EV1 CompoBus/D Master Unit.

1-2 Remote I/O

The remote I/O function allows I/O data to be exchanged automatically between the CompoBus/D Master Unit and the E5ZE, without the need of any special programs. The remote I/O function enables the following functions in the E5ZE.

- Reading the process value and different operating statuses.
- Writing set points.
- Executing commands to start and stop temperature control.

1-3 FINS Message Communications

FINS messages are used to read and write messages for Slaves, and perform various control operations, according to the program being used by the host system. FINS message communications enable the following functions in the E5ZE.

- Reading set values and process values.
- Writing set values.
- Starting and stopping temperature control, starting and stopping auto-tuning (AT), and other operating directions.