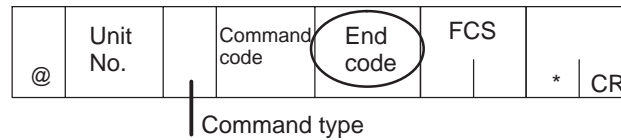


How to Read Communications Error Information

The result of communications on the E5EK-T can be checked by the end code or undefined error response in the response frame. Use this end code or undefined error response to remedy errors that may occur.

End code

Communications are normal when the end code in the response is “00”. If the end code is not “00”, this indicates that an error that is not an undefined error has occurred. The end code format is as follows and does not contain a data area.



End code	0D	Code name	Command cannot be executed
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Description

- Writing was carried out during local operation.
- Writing was carried out during execution of auto-tuning.
- An attempt was made to execute 40%AT during heating and cooling control or position-proportional control.
- An attempt was made to switch run/reset in setting level 1.
- An attempt was made to execute AT in setting level 1.
- Issue the parameter read or write commands in conditions other than above.

Action

End code	10	Code name	Parity error
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Description

Parity check error was detected in the received data.

Action

Check the communications conditions. If the communications conditions of the host computer and E5EK-T controller match, then a probable cause is a problem in the communications circuit of one or both of the host computer and E5EK-T controller.

End code	11	Code name	Framing error
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Description

Stop bit cannot be detected.

Action

Check the communications conditions. If the communications conditions of the host computer and E5EK-T controller match, then a probable cause is a problem in the communications circuit of one or both of the host computer and E5EK-T controller.

End code	13	Code name	FCS error
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Description

The FCS (Frame Check Sequence) do not match.

Action

Check the FCS program.



About the Unit No.

Responses are not returned unless the target unit for communications and the No. defined in the command match.

End code	14	Code name	Format error
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Description

The received command length does not match the length defined in the frame format.

Action

Check the communications conditions. If the communications conditions of the host computer and E5EK-T controller match, then a probable cause is a problem in the communications circuit of one or both of the host computer and E5EK-T controller.

End code	15	Code name	Setting range error
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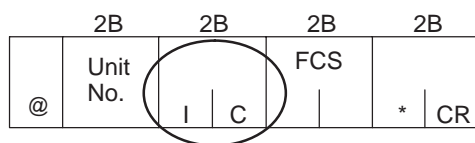
Description

Numerical values or code values in the data are not within the setting range.

Action

Check the parameter and read or write data of special commands.

Undefined error



Description

- An undefined header code has been received.
- A currently invalid parameter (e.g. the scaling command during temperature input) has been received.

Action

- Check the parameter No.