



Logix Error Codes for PLC and SLC Messages, R10.x and Later

With the release Logix R10.x firmware, you will find new error code values for errors that are associated with PLC and SLC message types (PCCC messages).

- This change lets RSLogix 5000 software display a more meaningful description for many of the errors. Previously the software did not give a description for any of the errors associated with the 00F0 error code.
- The change also makes the error codes more consistent with errors returned by other controllers, such as PLC-5 controllers.

The following table shows the change in the error code values from R9.x and earlier to R10.x and later. As a result of the change, the .ERR member returns a unique value for each PCCC error. The .EXERR is no longer required for these errors.

Table 1 PLC and SLC Error Codes (hex)

R9.x and earlier		R10.x and later		Description:
.ERR	.EXERR	.ERR	.EXERR	
0010		1000		Illegal command or format from local processor
0020		2000		Communication module not working
0030		3000		Remote node is missing, disconnected, or shut down
0040		4000		Processor connected but faulted (hardware)
0050		5000		Wrong station number
0060		6000		Requested function is not available
0070		7000		Processor is in Program mode
0080		8000		Processor's compatibility file does not exist
0090		9000		Remote node cannot buffer command
00B0		B000		Processor is downloading so it is not accessible
00F0	0001	F001		Processor incorrectly converted the address
00F0	0002	F002		Incomplete address
00F0	0003	F003		Incorrect address
00F0	0004	F004		Illegal address format - symbol not found
00F0	0005	F005		Illegal address format - symbol has 0 or greater than the maximum number of characters supported by the device

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Table 1 PLC and SLC Error Codes (hex)

R9.x and earlier		R10.x and later		Description:
.ERR	.EXERR	.ERR	.EXERR	
00F0	0006	F006		Address file does not exist in target processor
00F0	0007	F007		Destination file is too small for the number of words requested
00F0	0008	F008		Cannot complete request Situation changed during multipacket operation
00F0	0009	F009		Data or file is too large Memory unavailable
00F0	000A	F00A		Target processor cannot put requested information in packets
00F0	000B	F00B		Privilege error; access denied
00F0	000C	F00C		Requested function is not available
00F0	000D	F00D		Request is redundant
00F0	000E	F00E		Command cannot be executed
00F0	000F	F00F		Overflow; histogram overflow
00F0	0010	F010		No access
00F0	0011	F011		Data type requested does not match data available
00F0	0012	F012		Incorrect command parameters
00F0	0013	F013		Address reference exists to deleted area
00F0	0014	F014		Command execution failure for unknown reason PLC-3 histogram overflow
00F0	0015	F015		Data conversion error
00F0	0016	F016		The scanner is not available to communicate with a 1771 rack adapter
00F0	0017	F017		The adapter is no available to communicate with the module
00F0	0018	F018		The 1771 module response was not valid
00F0	0019	F019		Duplicate label
00F0	001A	F01A		File owner active - the file is being used
00F0	001B	F01B		Program owner active - someone is downloading or editing online
00F0	001C	F01C		Disk file is write protected or otherwise not accessible (offline only)
00F0	001D	F01D		Disk file is being used by another application Update not performed (offline only)

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