

14-4-4 Error Log Error Codes

Error code (hex)	Error	Detail code		Saved in EEPROM
		First byte	Second byte	
0001	CPU Unit watchdog timer error	00 hex	00 hex	Yes
0002	CPU Unit service monitoring error	Monitoring time (ms)		Yes
0006	Other CPU error	Bit D11: Unit not in Registered I/O Tables (Other bits are reserved for system use.)		Yes
000E	I/O bus error	00 hex	00 hex	Yes
000F	CPU Unit initialization error	00 hex	00 hex	Yes
0011	Event timed out	MRC (main command)	SRC (subcommand)	Yes
0012	CPU Unit memory error	01 hex: Read error 02 hex: Write error	03 hex: Routing tables 50 hex: CPU Bus Unit Area (CIO or DM)	Yes
0015	CPU Unit fatal error	00 hex	00 hex	Yes
0017	Tag database error	00 hex	00 hex	Yes
0103	Resend count exceeded (send failed)	FINS Command: Bit 15: OFF Bits 08 to 14: Source network address Bits 00 to 07: Source node address FINS Response: Bit 15: ON Bits 08 to 14: Destination network address Bits 00 to 07: Destination node address CIP Frame: FFFF		No
0105	Node address setting error (send failed)			No
0107	Remote node not in network (send failed)			No
0108	No Unit with specified unit address (send failed)			No
010B	CPU Unit error (send failed)			No
010D	Destination address not in routing tables (send failed)			No
010E	Not registered in routing tables (send failed)			No
010F	Routing table error (send failed)			No
0110	Too many relay points (send failed)			No
0111	Command too long (send failed)			No
0112	Header error (send failed)			No
0117	Internal buffers full; packet discarded			No
0118	Illegal packet discarded			No
0119	Local node busy (send failed)			No
0120	Unexpected routing error			No
0122	Service not supported in current mode; packet discarded	No		
0123	Internal send buffer full; packet discarded	No		
0124	Maximum frame size exceeded; routing failed	No		
0125	Response timeout; packet discarded	No		
020F	Communications controller error	00 hex	01 hex	Yes
0211	IP address duplication	Port number (always 02)	Lower byte of IP address	Yes
021A	Logic error in setting table	00 hex	02 hex: Network parameters 03 hex: Routing tables 04 hex: Unit Setup 0E hex: Unit name 12 hex: Status area layout setting error 13 hex: Status area layout setting verification error 15 hex: Installation in a PLC of another series (e.g., from CJ1 to CJ2) after setting the Unit.	Yes

Error code (hex)	Error	Detail code		Saved in EEPROM
		First byte	Second byte	
0300	Parameter error; packet discarded	FINS Command: Bit 15: OFF Bits 08 to 14: Source network address Bits 00 to 07: Source node address FINS Response: Bit 15: ON Bits 08 to 14: Destination network address Bits 00 to 07: Destination node address CIP Frame: FFFF		No
0347	I/O refreshing error	00 hex	00 hex	Yes
03C0	FINS/TCP setting error	01 to 10 hex: Connection number	01: Automatically allocated FINS node address duplication 02: Destination IP address error 03: Destination port number error	No
03C1	Server settings error	00 hex: DNS 03 hex: SNTP 04 hex: FTP 06 hex: BOOTP 07 hex: SNMP 08 hex: SNMP Trap 09 hex: FINS/UDP 0A hex: FINS/TCP	01: IP address 02: Host name 03: Port number 04: Other parameter	No
03C2	FINS/TCP packet discarded	01 to 10 hex: Connection number	02 hex: Reopening because remote node closed 03 hex: Reopening because of reception error 04 hex: Reopening because of transmission error 05 hex: Reopening because RST received from remote node 06 hex: Reopening because of no keep-alive response 07 hex: Illegal FINS/TCP procedure 08 hex: Insufficient memory during server processing 09 hex: Insufficient memory during client processing 0A hex: Insufficient memory during node switching	No
03C3	FINS/UDP packet discarded	00 hex	01 to FE hex: Source node address	No

Error code (hex)	Error	Detail code		Saved in EEPROM
		First byte	Second byte	
03C4	Server connection error	00 hex: DNS 03 hex: SNTP 04 hex: FTP 06 hex: BOOTP 07 hex: SNMP 08 hex: SNMP Trap	01 hex: Specified host does not exist 02 hex: No such service at specified host 03 hex: Timeout 06 hex: Host name resolution error 07 hex: Transmission error 08 hex: Reception error 09 hex: Other error 0A hex: Obtaining IP address error	No
03C6	Clock write error	0001: The clock time could not be updated because a error occurred in the CPU Unit.	Clear the error from the CPU Unit.	No
		0002: The clock time could not be updated because the CPU Unit or operating mode does not support this function.	Refer to <i>SECTION 12 Automatic Clock Adjustment Function</i> and check the application conditions.	
03D0	Ethernet basic setting error	01 hex: Ethernet setting error	01 hex: Checksum error 11 hex: Inconsistent settings 12 hex: Specified baud rate is not supported.	Yes
		02 hex: TCP/IP basic setting error	01 hex: Checksum error 11 hex: Invalid IP address 12 hex: Invalid subnet mask 13 hex: Invalid default gateway address 14 hex: Invalid primary name server 15 hex: Invalid secondary name server 16 hex: Invalid domain name 17 hex: Invalid host name	
03D1	Ethernet advanced setting error	02 hex: FINS setting error	01 hex: Checksum error 10 hex: Invalid IP router table 11 hex: Invalid FINS/UDP setting 12 hex: Invalid FINS/TCP setting 13 hex: Invalid FTP setting 14 hex: Invalid SNTP setting 15 hex: Invalid SNMP setting 16 hex: Invalid SNMP trap setting	Yes
03D2	Packet discarded.	01 hex	00 hex	No

Error code (hex)	Error	Detail code		Saved in EEPROM
		First byte	Second byte	
03D3	Link OFF error	00 hex	00 hex	No
03D4	Verification error (Tag data link only) Note For details on identifying the cause of the verification error, refer to <i>14-3 Connection Status Codes and Error Processing</i> . This error will not be stored when a target node is missing for version 2.0 or higher.	Connection instance number (0 to 255)	Lower byte of IP address	No
03D5	Tag data link error	00 hex	Lower byte of IP address	No
0601	CPU Bus Unit error	Variable		Yes
0602	CPU Bus Unit memory error	01: Read error 02: Write error	02 hex: Network parameter 06 hex: Error log 09 hex: Identity data 0E hex: Unit name 0F hex: Ethernet basic setting 10 hex: Ethernet advanced setting 11 hex: MAC address 12 hex: Status area layout setting 14 hex: Term Tag address resolution memory write error	Yes (See note.)

Note If a memory error occurs in the error log area of EEPROM, the record will not be stored in EEPROM.

14-5 Troubleshooting

14-5-1 CPU Unit's ERR/ALM Indicator Lit or Flashing

Use the following table to troubleshoot the system when the CPU Unit's ERR/ALM indicator is lit or flashing when the EtherNet/IP Unit or built-in EtherNet/IP port is mounted.

An I/O verification error occurred.	<ul style="list-style-type: none"> • Confirm that the Unit is connected properly. • Check the I/O table with the I/O Table Verification operation and correct it if necessary. After correcting it, perform the I/O Table Create operation.
A CPU Bus Unit setting error occurred.	<ul style="list-style-type: none"> • The CPU Bus Unit model registered in the I/O tables does not match the model of CPU Bus Unit actually mounted. Check the I/O tables with the I/O Table Verification operation and correct it if necessary. After correcting the I/O tables, perform the I/O Table Create operation.
A CPU Bus error occurred.	<ul style="list-style-type: none"> • Confirm that the Unit is connected properly. • Restart the Unit. Replace the Unit if it doesn't restart.
An I/O Bus error occurred.	<ul style="list-style-type: none"> • Confirm that the Unit is connected properly. • Restart the Unit. Replace the Unit if it doesn't restart.

For details, refer to the CPU Unit's Operation Manual.