

- Detail codes
- The times at which errors occurred (using the CPU Unit's time data)

Error History Save Area

When an error is detected, the contents of the error and the time at which it occurred are registered as an error history in the Unit's internal RAM. Serious errors are registered not only in RAM but also in EEPROM. The error history registered in EEPROM is saved during a power interruption or when the Unit is restarted. When the CompoNet Master Unit is started, the error history in EEPROM is copied to RAM.

When the contents of the error history are read by a FINS command or CompoNet Support Software, it is the error history saved on RAM that is read. When the error history is cleared (either by a FINS command or CompoNet Support Software), however, it is cleared from both RAM and EEPROM.

Reading or Clearing Error History Tables

Use FINS commands to the CompoNet Master Unit to read or clear the Error History Table. Use the CompoNet Master Unit as the destination address for FINS commands.

CompoNet Master Unit address: 20 hex + unit number

For instructions on using FINS commands, refer to the *CS/CJ-series PLC Communications Command Reference Manual* (Cat. No. W342).

For details on FINS commands for CompoNet Master Units, refer to *Appendix A*.

Note The CPU Unit's time information is read and used by the CompoNet Master Unit. If this time information cannot be read from the CPU Unit, the error history time information will be shown as all zeros. In addition, for CS/CJ-series PLCs, the time setting for the CPU Unit's built-in clock must be reset when the power is turned ON after replacing the battery. If the time is not reset, correct time information will not be registered. When the error history is read, the time information will be unreliable.

Error Code and Detailed Information Tables

Error code (hex)	Error contents	Detailed information		EEP ROM
		First byte	Second byte	
0001	CPU Unit WDT error	00 hex	00 hex	○
0002	CPU Unit service monitoring error (Service from the CPU Unit is irregular.)	Monitoring time (ms)		○
0006	Other CPU Unit errors	Bit 14: Unit number duplication Bit 11: No applicable Unit in Registration Table All other bits are reserved.		○
000F	CPU Unit initialization error	00 hex	00 hex	○
0011	Event timeout	MRC	SRC	○
0012	CPU Unit memory error	01 hex: Read error 02 hex: Write error	03 hex: Routing Table	○
0101	Transmission is not possible because local node is not participating in the network.			×
0103	Transmission is not possible because of too many resends.	Command Bit 15: OFF		×
0106	Transmission is not possible because of an address duplication error.	Bits 14 to 8: SNA Bits 7 to 0: SA1		×

Error code (hex)	Error contents	Detailed information		EEP ROM
		First byte	Second byte	
0107	Transmission is not possible because remote node is not participating in the network.	Response Bit 15: ON		×
0108	Transmission is not possible because there is no Unit corresponding to the unit number.	Bits 14 to 8: DNA Bits 7 to 0: DA1		×
0109	Transmission is not possible because the remote node is busy.			×
010B	Transmission is not possible because of a PLC error.			×
010D	Transmission is not possible because no destination address is set in the routing tables.			×
010E	Transmission is not possible because the routing tables are not registered.			×
010F	Transmission is not possible because of a routing table error.	Command Bit 15: OFF		×
0110	Transmission is not possible because of too many relays.	Bits 14 to 8: SNA Bits 7 to 0: SA1		×
0111	Transmission is not possible because the command exceeds the maximum command length.	Response Bit 15: ON		×
0112	Transmission is not possible because of a header error.	Bits 14 to 8: DNA Bits 7 to 0: DA1		×
0117	Packet was discarded because the internal reception buffer was full.			×
0118	Illegal packet discarded			×
0120	Unexpected routing error			×
0122	Packet was discarded because it could not be serviced in the current mode.			×
0123	Packet was discarded because the internal buffer was full.			×
0124	Routing is not possible because the maximum frame length was exceeded.			×
0125	Packet was discarded because of a response timeout.			×
0300	Packet was discarded because of a parameter error.			×
021A	Setting table logic error	00 hex	01 hex: Network parameters 02 hex: Software Setting Table 03 hex: Routing Table 04 hex: System Setup 0A hex: Registration Table	○
0347	I/O refresh error	00 hex	00 hex	×
0370	Verification error (non-existent Slave Unit)	00	00	×
0372	Verification error (unregistered Slave Unit)	10 hex: Word Input Slave Unit, Word I/O Slave Unit 20 hex: Word Output Slave Unit 40 hex: Bit Input Slave Unit, Bit I/O Slave Unit 50 hex: Bit Output Slave Unit	Node address (hex)	×

Error code (hex)	Error contents	Detailed information		EEP ROM
		First byte	Second byte	
0374	Communications error	10 hex: Word Input Slave Unit, Word I/O Slave Unit 20 hex: Word Output Slave Unit 40 hex: Bit Input Slave Unit, Bit I/O Slave Unit 50 hex: Bit Output Slave Unit 70 hex: Repeater Unit	Node address (hex)	×
0375	Communications have stopped due to a communications error. [Cause] A communications error occurred while communications were set to be stopped.	10 hex: Word Input Slave Unit, Word I/O Slave Unit 20 hex: Word Output Slave Unit 40 hex: Bit Input Slave Unit, Bit I/O Slave Unit 50 hex: Bit Output Slave Unit	Node address (hex)	○
0376	Address duplication error	10 hex: Word Input Slave Unit, Word I/O Slave Unit 20 hex: Word Output Slave Unit 40 hex: Bit Input Slave Unit, Bit I/O Slave Unit 50 hex: Bit Output Slave Unit 70 hex: Repeater Unit	Node address (hex)	×
0378	Illegal Repeater Unit/configuration error	10 hex: Word Input Slave Unit, Word I/O Slave Unit 20 hex: Word Output Slave Unit 40 hex: Bit Input Slave Unit, Bit I/O Slave Unit 50 hex: Bit Output Slave Unit 70 hex: Repeater Unit	Node address (hex)	×
0601	Illegal interrupt	00	00	○
0602	Special I/O Unit memory error	01 hex: Read error 02 hex: Write error	01 hex: Network parameters 02 hex: Software Setting Table 04 hex: Slave Unit parameters 06 hex: Error history 09 hex: Identity information 0A hex: Registration Table	○ (Error history only: x)