

### 7-5-2 Error Codes

The error codes are described in the following table. The detailed error code will provide detailed information on an error.

Error code	Meaning	Detailed error code		Correction	Non-volatile
		1st byte	2nd byte		
0001	Watchdog timer error in CPU Unit.	00	00	Replace the PLC CPU Unit.	Saved
0002	CPU Unit service monitor error.	Actual monitoring time ms (Hex)		Check the operating environment.	Saved
000E	PLC Bus error.	00	00	Replace the CPU Unit.	Saved
0202	PROFIBUS parameter set invalid.	00	80: Bus parameter error 00 ~ 7D: Slave parameter error	<ul style="list-style-type: none"> <li>Check the parameter settings.</li> <li>Re-download the configuration if necessary.</li> </ul>	---
020C	Protocol error.	00	00 ~ 7D: Failing Master Address	Check the master devices on the network, and make sure they are all working correctly.	---
0211	Duplicate master address.	00	00 ~ 7D: Failing Master Address	Check the master devices on the network and ensure that they have unique device addresses.	---
0219	Hardware error.	00	00	<ul style="list-style-type: none"> <li>Check the network wiring, and make sure it is correct.</li> <li>Check for short-circuits.</li> <li>Check the bus timing set through CX-Profibus.</li> <li>Check the HSA setting in CX-Profibus, and make sure it is set to the master device with the highest address on the network.</li> <li>Check if any other faulty devices are on the same network.</li> <li>Verify that the Highest Station Address setting includes any other master address on the bus.</li> </ul>	---
0601	CPU Bus Unit fatal error.	Error address in program.		Restart the CPU Unit. If the problem persists, replace the PROFIBUS-DP Master Unit.	Saved
0602	CPU Bus Unit memory error.	01: Read error. 02: Write error.	02: Network Parameter. 06: Error log.	Restart the CPU Unit. If the problem persists, replace the PROFIBUS Master Unit.	Saved

- Note**
1. The time information from the CPU Unit is used in the PROFIBUS-DP Master Unit.
  2. An error record is not created in non-volatile memory when the error concerns an Error Log Write error.