



## Compact I/O Analog Modules

(Catalog Numbers 1769-IF4 and 1769-OF2)

### Purpose of this Document

This publication revises the module error codes that appear in the following publication. Keep this Document Update for reference.

| Publication Name                       | Publication Number |
|--|--------------------|
| Compact I/O Analog Modules User Manual | 1769-6.0 May 1999  |

### Effect of Device and Cable Output Impedance on Output Module Accuracy (page 3-11)

In the example using Belden 8761 two-conductor, shielded cable with a 1769-IF4 input module, the impedance of the voltage input ( $R_i$ ), should read:

$$R_i = 220 \text{ K}\Omega$$

### Table 6.3 Module Error Types (page 6-4)

| Error Type           | Module Error Field Value Bits 11 through 09 (Bin) | Description  |
|----------------------|---|--|
| No Errors            | 000   | No error is present. The extended error field holds no additional information.   |
| Hardware Errors      | 001   | General and specific hardware error codes are specified in the extended error information field.   |
| Configuration Errors | 010   | Module-specific error codes are indicated in the extended error field. These error codes correspond to options that you can change directly. For example, the input range or input filter selection. |

**Table 6.4 Extended Error Codes  
(page 6-6)**

| Error Type                            | Hex Equivalent <sup>(1)(2)</sup>      | Module Error Code | Extended Error Information Code                                    | Error Description  |
|---------------------------------------|---------------------------------------|-------------------|--|--|
|                                       |                                       | Binary            | Binary   |  |
| No Error                              | X000                                  | 000               | 0 0000 0000  | No Error   |
| General Common Hardware Error         | X200                                  | 001               | 0 0000 0000  | General hardware error; no additional information                  |
|                                       | X201                                  | 001               | 0 0000 0001  | Power-up reset state   |
| Hardware-Specific Error               | X300                                  | 001               | 1 0000 0000  | General hardware error   |
|                                       | X301                                  | 001               | 1 0000 0001  | Microprocessor hardware error                                      |
| 1769-IF4 Specific Configuration Error | X400                                  | 010               | 0 0000 0000  | General configuration error; no additional information             |
|                                       | X401                                  | 010               | 0 0000 0001  | invalid input range selected (channel 0)                           |
|                                       | X402                                  | 010               | 0 0000 0010  | invalid input range selected (channel 1)                           |
|                                       | X403                                  | 010               | 0 0000 0011  | invalid input range selected (channel 2)                           |
|                                       | X404                                  | 010               | 0 0000 0100  | invalid input range selected (channel 3)                           |
|                                       | X405                                  | 010               | 0 0000 0101  | invalid input filter selected (channel 0)                          |
|                                       | X406                                  | 010               | 0 0000 0110  | invalid input filter selected (channel 1)                          |
|                                       | X407                                  | 010               | 0 0000 0111  | invalid input filter selected (channel 2)                          |
|                                       | X408                                  | 010               | 0 0000 1000  | invalid input filter selected (channel 3)                          |
|                                       | X409                                  | 010               | 0 0000 1001  | invalid input format selected (channel 0)                          |
|                                       | X40A                                  | 010               | 0 0000 1010  | invalid input format selected (channel 1)                          |
|                                       | X40B                                  | 010               | 0 0000 1011  | invalid input format selected (channel 2)                          |
|                                       | X40C                                  | 010               | 0 0000 1100  | invalid input format selected (channel 3)                          |
|                                       | 1769-OF2 Specific Configuration Error | X400              | 010  | 0 0000 0000  |
| X401                                  |                                       | 010               | 0 0000 0001  | invalid output range selected (channel 0)                          |
| X402                                  |                                       | 010               | 0 0000 0010  | invalid output range selected (channel 1)                          |
| X403                                  |                                       | 010               | 0 0000 0011  | invalid output data format selected (channel 0)                    |
| X404                                  |                                       | 010               | 0 0000 0100  | invalid output data format selected (channel 1)                    |
| X405                                  |                                       | 010               | 0 0000 0101  | invalid fault value entered for data format selected (channel 0)   |
| X406                                  |                                       | 010               | 0 0000 0110  | invalid fault value entered for data format selected (channel 1)   |
| X407                                  |                                       | 010               | 0 0000 0111  | invalid program value entered for data format selected (channel 0) |
| X408                                  | 010                                   | 0 0000 1000       | invalid program value entered for data format selected (channel 1) |  |

<sup>(1)</sup> X represents the "Don't Care" digit.

<sup>(2)</sup> Earlier versions of RSLogix 500™ software may display error codes in decimal format. Convert the decimal value to hexadecimal to match the error codes in the table.

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