LED on IO-Link ports blinking red

Per the operating instructions, this is a transmission error. No other details are provided beyond this description. The following causes are shown.

Status LED			Description
IOL	yellow	off	Port configured as DI / DO: pin 4 (C/Q) = OFF
		on	Port configured as DI / DO: pin 4 (C/Q) =ON
	green	flashes 1 Hz	Port configured as IO-Link: no IO-Link device detected
		flashes 2 Hz	Port configured as IO-Link: PROOPERATE state
		on	Port configured as IO-Link: OPERATE state
	red	flashes 2 Hz	Port configuration error or short circuit or overload (US)
		on	Transmission error
DI	yellow	off	Digital input : pin 2 (DI) = OFF
		on	Digital input: pin 2 (DI) = ON

1. Most commonly, this occurs when the port has been assigned for parameter storage/writing and the vendor and/or device ID of the device does not match the assignment in the configuration tags.

   The vendor ID and device ID can be found in the IODD PDF document at the top left of the first page.

Version: V1.1.3 Release Date: 2014-05-16

Copyright 2014, Builder: 2.3.3.8, Time: 07:49:37

SI5

Vendor ID	310 / 0x0136 - Bytes: 01 54 / 0x01 0x36
Vendor Name	ifm electronic gmbh
Vendor Text	www.ifm.com
Vendor URL	http://www.ifm.com/ifmgb/web/io-link-download.htm
Device ID	54 / 0x000036 - Bytes: 00 00 54 / 0x00 0x00 0x36

2. When the port is set up for data storage and an IOL V1.0 device has been connected to the port, the LED will also blink red. Parameter sets from IOL V1.0 devices cannot be stored.

3. While not often an issue with the EIP blocks, this error will occur when the Port_Process_Data_Size is set up for 2 bytes of IOL data per port and a sensor that requires more bytes is connected. In this case, the data size must be increased.

4. With most other PLCs the individual ports are defined as 2 bytes, 4 bytes and so on. As above, when a sensor requiring a larger byte size is connected, the LED will flash red on the port.