MITSUBISHI ELECTRIC

TECHNICAL BULLETIN

GOT-A-0281-B

Malfunction of Objects Using GOT3000 Series GOT Internal Devices (Data Type: BCD16)

■Date of Issue

April 2026 (Ver. B: May 2026)

■Relevant Models

GOT3000 Series

Thank you for your continued support of Mitsubishi Electric Graphic Operation Terminal (GOT).
For the GOT3000 series (GT37 models), GT SoftGOT3000, and GT Simulator 3 (3000), we confirmed that data operations for objects that use GOT internal devices (data type: BCD16) do not produce the intended results, resulting in data being displayed and written incorrectly.
This bulletin provides information on how to identify affected products, the observed phenomena, occurrence conditions, workarounds, and planned corrections.

CONTENTS

1 How to identify affected products

1.1 Affected products and versions

The following shows the affected products and versions.

Product	Model	Version	Screen to check the version
GOT3000 series	GT37 models	Standard system application 01.00.010 to 01.01.010	[Property] screen of the utility ([System Application] tab) 📖GOT3000 Series User's Manual (Utility & Maintenance Functions)
GT SoftGOT3000	—	1.401T to 1.411D	[About GT SoftGOT3000] dialog 📖GT SoftGOT3000 User's Manual
GT Simulator3 (3000)	—	1.401T to 1.411D	[About GT Designer3] dialog in GT Designer3 (GOT3000) 📖GT Designer3 (GOT3000) Screen Design Manual

2 Observed phenomena and occurrence conditions

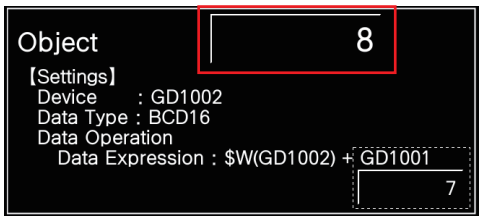
2.1 Observed phenomena

For objects that use GOT internal devices (data type: BCD16), data operations may not be performed correctly, resulting in data being displayed and written incorrectly.

For the occurrence conditions, refer to the following.

☞ Page 4 Occurrence conditions

Enter "1" in the numerical input object (GD1002) for which data operation is set.



If the operation is performed correctly, the intended value will be obtained.

If the operation is performed incorrectly, an unintended value will be obtained.

Figure 1: Phenomenon occurrence example

Table 1 Occurrence of phenomenon by object

○: Occurs, —: Not applicable

Object		Phenomenon	
		Incorrect display	Incorrect writing
Lamp	Word lamp	○	—
Numerical display		○	—
Numerical input		○	○
Comment display	Word comment	○	—
Parts display	Word parts	○	—
Frame animation		○	—
Historical data list display		○	—
Graph	Line graph	○	—
	Trend graph	○	—
	Bar graph	○	—
	Band graph	○	—
	Pie graph	○	—
	Scatter graph	○	—
	Historical trend graph	○	—
Graphical meter		○	—
Meter	Level	○	—
	Panel meter	○	—
Slider		○	○

2.2 Occurrence conditions

This section explains the conditions under which data operations may not be performed correctly for objects that use GOT internal devices (data type: BCD16), resulting in data being displayed and written incorrectly.

1. Configure the following settings for object A placed on the screen.

- [Data Type]: [BCD16]
- [Operation Type]: [Data Operation]
- Operating expression: The expression includes a GOT internal device (a). (Example: GD1001)

2. Configure the following settings for object B placed on the same screen as object A.

- [Device]: Use a GOT internal device (b) of the same device type as GOT internal device (a) and with a lower device number. (Example: GD1000)
- [Data Type]: [Signed BIN32], [Unsigned BIN32], [BCD32], or [Real(32bit)]

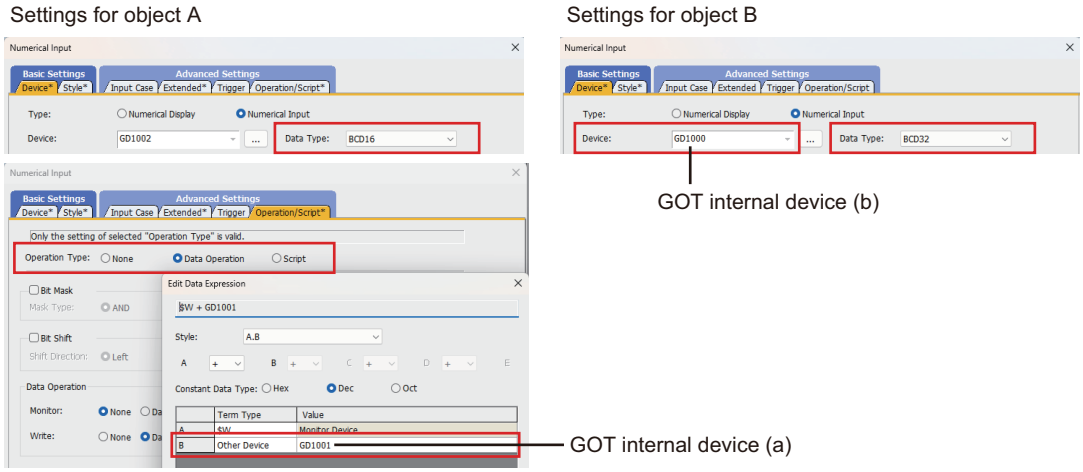


Figure 2 Example of numerical input object settings when a phenomenon occurs

3. If a non-zero value is written to the upper two bytes of GOT internal device (b), data operations may not be performed correctly, resulting in data being displayed and written incorrectly.

Ex.

When [Data Type] of GOT internal device (b) is [Signed BIN32]: A negative value or a value from 65536 to 2147483647
When [Data Type] of GOT internal device (b) is [BCD32]: A value from 10000 to 99999999

3 Workarounds

Set the device number of GOT internal device (b) to a value greater than that of GOT internal device (a).

4 Planned corrections

The standard system application provided with GT Designer3 (GOT3000) will be corrected.

The following shows the corrected versions.

Product	Model	Version	Remarks
GOT3000 series	GT37 models	Standard system application 01.01.020	Provided with GT Designer3 (GOT3000) Ver. 1.412E.
GT SoftGOT3000	—	1.412E	—
GT Simulator3 (3000)	—	1.412E	—

Revisions

Version	Issue date	Revision
A	April 2026	First edition
B	May 2026	Removed the annotation "(to be released soon)".