
FnIO G – Series :

GT-7588

GT-7588 (Common for 24Vdc, 0Vdc ID Type)

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Specification

History

Rev	Pages	Remarks	Date	Editor
1.00			2016/10/22	Hongseok Kim
1.01	8	Image Change	2018/03/14	Hongseok Kim
1.02	4,5	Shock, Vibration specification changed General specification added(UL)	2020/04/20	Joonho, Park
1.03	1~8	Specification form update	2023/07/26	Hongseok Kim
1.04	6	Eliminate potentially confusing words	2023/08/07	Hongseok Kim

Specification

1. Environment Specification

Environmental Specification	
Operation Temperature	-40°C~70°C
UL Temperature	-20°C~60°C
Storage Temperature	-40°C~85°C
Relative Humidity	5% ~ 90% Non-condensing
Mounting	DIN Rail
General Specification	
Shock Operating	IEC 60068-2-27
Vibration Resistance	Based on IEC 60068-2-6, 4g
Industrial Emissions	EN61000-6-4/All : 2011
Industrial Immunity	EN 61000-6-2 : 2005
Installation Position	Vertical and horizontal installation is available.
Product Certifications	CE, UL

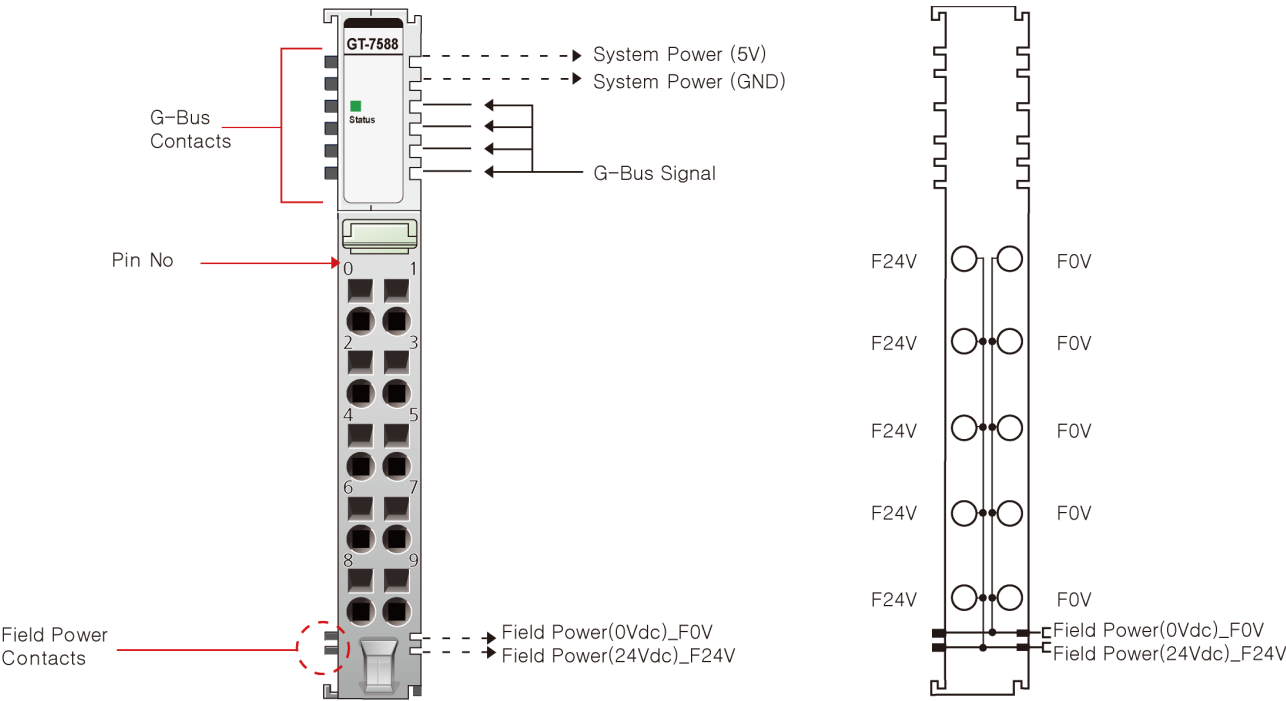
Specification

2. GT-7588(Common for 24Vdc,0Vdc / ID Type)

2.1. GT-7588 Specification

Items	Specification
Technical data	
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power voltage	24Vdc nominal
Field power contacts current	Max. 10A Operating temperature -40°C~50°C : Max. 10A 50°C~70°C : Max. 7A
Indicator	1 Green Internal Bus Status
General specification	
System power dissipation	Max. 30mA @ 5Vdc
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	58g
Module size	12mm x 99mm x 70mm
Environment condition	Refer to '1. Environment Specification'

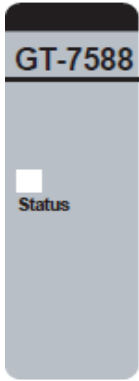
2.2. GT-7588 Wiring Diagram



Pin No.	Signal Description	Signal Description	Pin No.
0	24VDC	0VDC	1
2	24VDC	0VDC	3
4	24VDC	0VDC	5
6	24VDC	0VDC	7
8	24VDC	0VDC	9

2.3. GT-7588 LED Indicator

2.3.1. LED Indicator



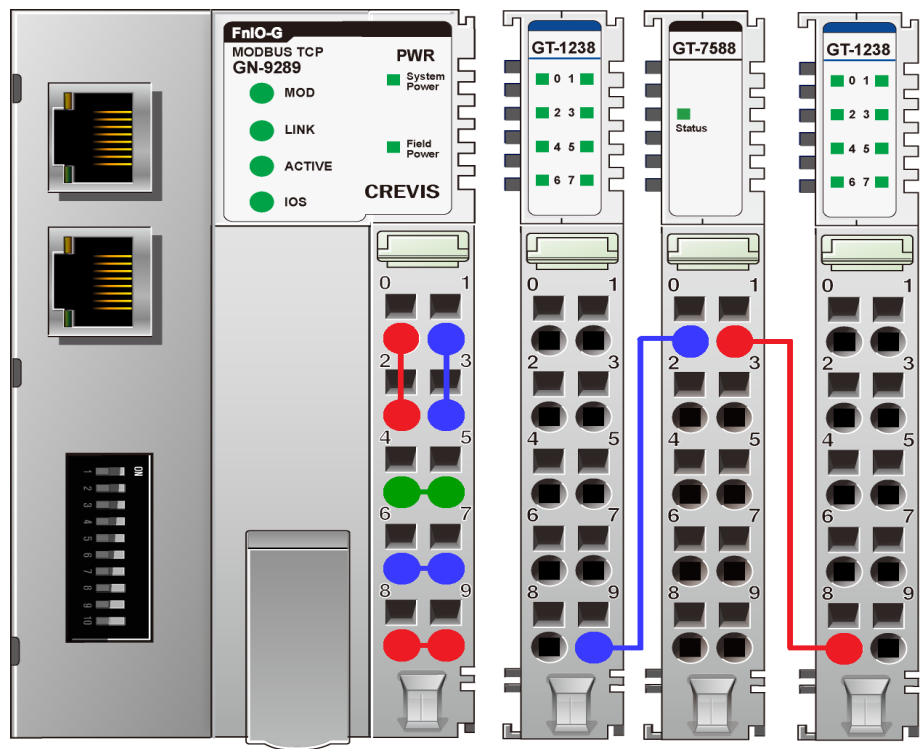
LED No.	LED Function / Description	LED Color
Status	Internal Bus Status	Green

2.3.2. Status LED

Status	LED	To indicate
G-Bus Status	Off Green	Disconnection Connection

2.4. Example

The GT-7588 Common 24Vdc, 0Vdc.



Color	System Power	Field Power
	0, 2	8, 9
	1, 3	6, 7
	4, 5 (F.G)	