
FnIO G – Series

GT-7588

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

Specification

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History

REV.	PAGES	REMARKS	DATE	Editor
Rev 1.00			Oct, 22, 2016	HS KIM

Specification

1. Environment Specification

Environmental Specification	
Operation Temperature	-40°C ~ 70°C
UL Temperature	-20°C ~ 60°C
Non-Operating 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 Sine Vibration <ul style="list-style-type: none"> - 5 ~ 25Hz : ±1.6mm - 25 ~ 300Hz : 4g - Sweep Rate : 1 Oct/min, 20 cycles Random Vibration <ul style="list-style-type: none"> - 10 ~ 40 Hz : 0.0125 g²/Hz - 40 ~ 100 Hz : 0.0125 → 0.002 g²/Hz - 100 ~ 500 Hz : 0.002 g²/Hz - 500 ~ 2000 Hz : 0.002 → 1.3 x 10⁻⁴g²/Hz - Test time : 1hrs for each test
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

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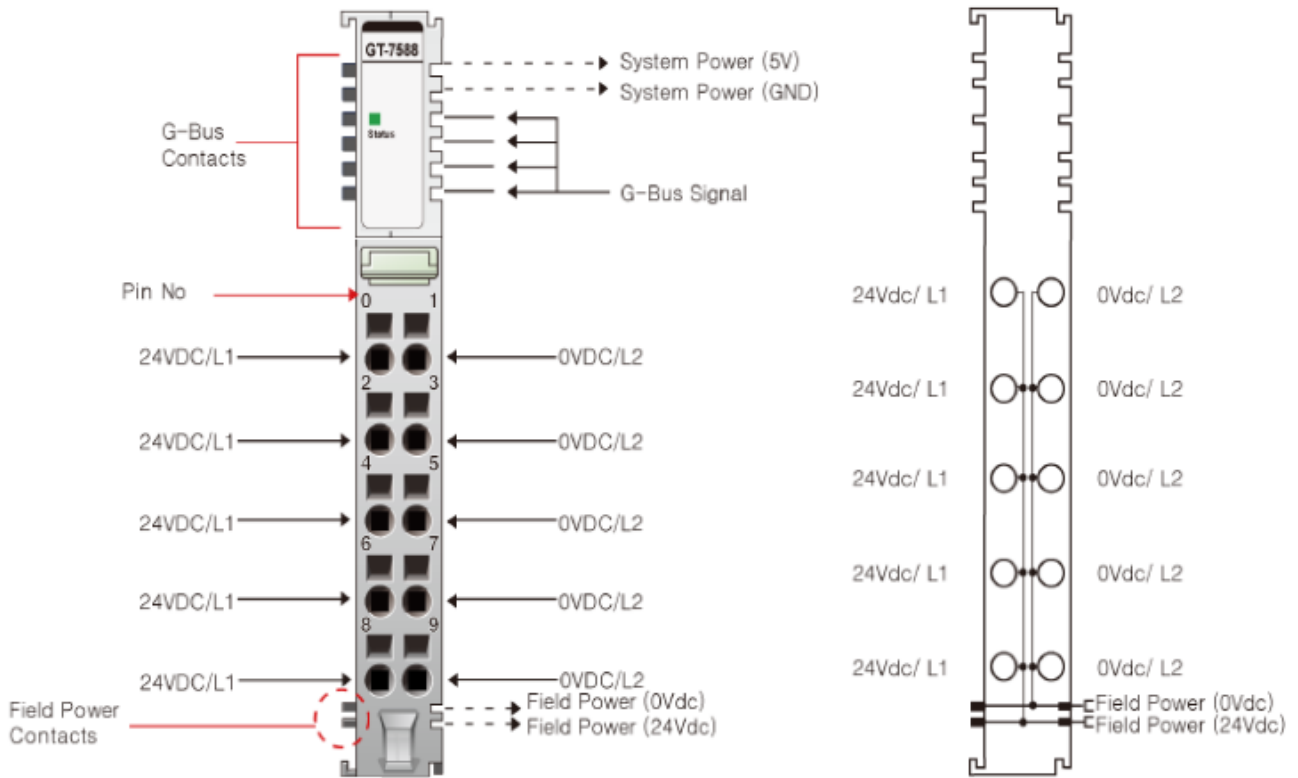
2. GT-7588 (Common for 24Vdc, 0Vdc / ID Type)

2.1. GT-7588 Specification

Items	Specification
Technical Data	
Field Power Voltage	Norminal 24Vdc
Field Power Contacts Current	Max. 10A Operating Temperature -40°C~50°C : Max. 10A 50°C~70°C : Max. 7A
Indicator	1 Green LEDs 1 Green Internal Bus State
General Specification	
System Power Dissipation	Max. 30mA @ 5Vdc
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	70g Max.
Module Size	12mm x 99mm x 70mm
Environment Condition	Refer to '1. Environment Specification'

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2.2. GT-7588 Wiring Diagram

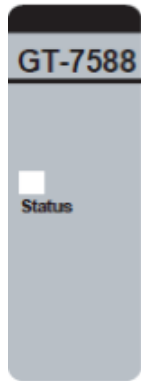


Pin No.	Signal Description	Signal Description	Pin No.
0	24VDC/L1	0VDC/L2	1
2	24VDC/L1	0VDC/L2	3
4	24VDC/L1	0VDC/L2	5
6	24VDC/L1	0VDC/L2	7
8	24VDC/L1	0VDC/L2	9

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2.3. GT-7588 LED Indicator

LED Indicator



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

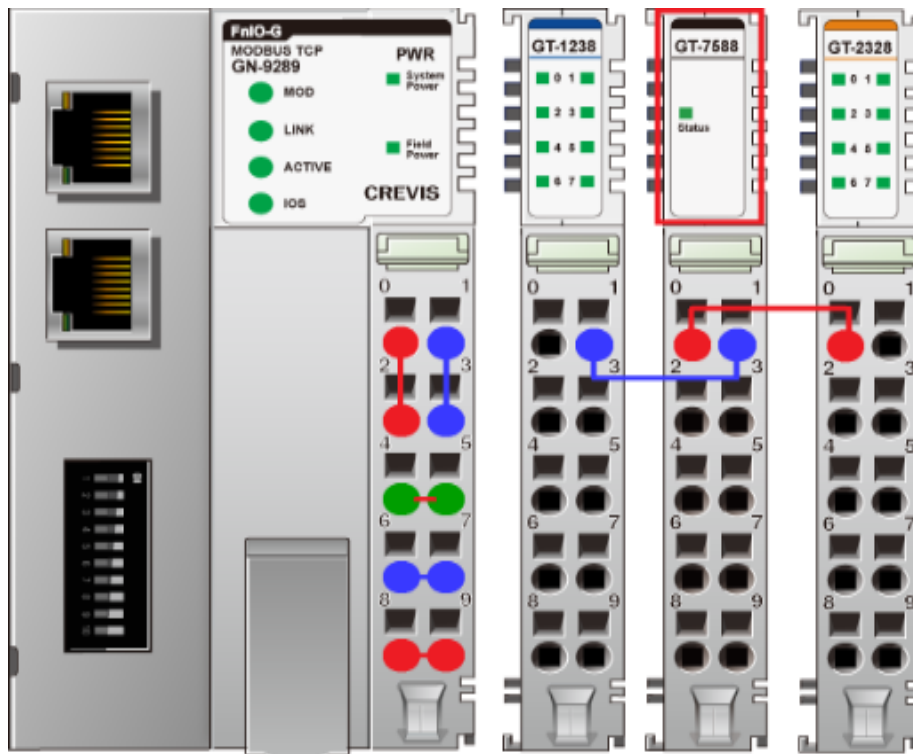
2.3.2. Status LED

Status	LED	To indicate
Normal signal.	Green	The unit is operating in normal condition. (After normal initialization of GBUS communication, this LED maintains ON status.)
Absence of network adapter	Off	Network adapter is not connected to this module.

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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)	