
FnIO G – Series :

GT-2784

GT-2784(4 Points, Relay Output Terminal, 110Vdc/ac, 1A)

Specification

Table of Contents

[Table of Contents.....2](#)

[History.....3](#)

[1.ENVIRONMENT SPECIFICATION.....4](#)

[2.GT-2784 \(4 Points, Relay Output Terminal, 110Vdc/ac, 1A\).....5](#)

[2.1.GT-2784 Specification.....5](#)

[2.2.GT-2784 Wiring Diagram.....6](#)

[2.3.GT-2784 LED Indicator.....7](#)

[2.3.1.LED Indicator.....7](#)

[2.3.2.Channel Status LED.....7](#)

[2.4.Mapping Data into the Image Table.....8](#)

[2.5.Parameter Data.....9](#)

History

Rev	Pages	Remarks	Date	Editor
1.00			2016/11/11	Seokhyun, Jun
1.01		Specification	2017/01/09	Hongseok, Kim
1.02	5	Specification Revision	2020/03/13	Soyeong, Park
1.03	4,5	Shock, Vibration specification changed General specification added(UL)	2020/04/20	Juyong, Bae
1.04	6	Change Diagram	2023/04/03	Soyeong, Park
1.05	7	Change Diagram, Status LED	2023/08/08	Suna, Hwang

Specification

1. ENVIRONMENT SPECIFICATION

Environmental specification	
Operating Temperature	-40°C ~60°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 : 2008/15g, 11ms
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

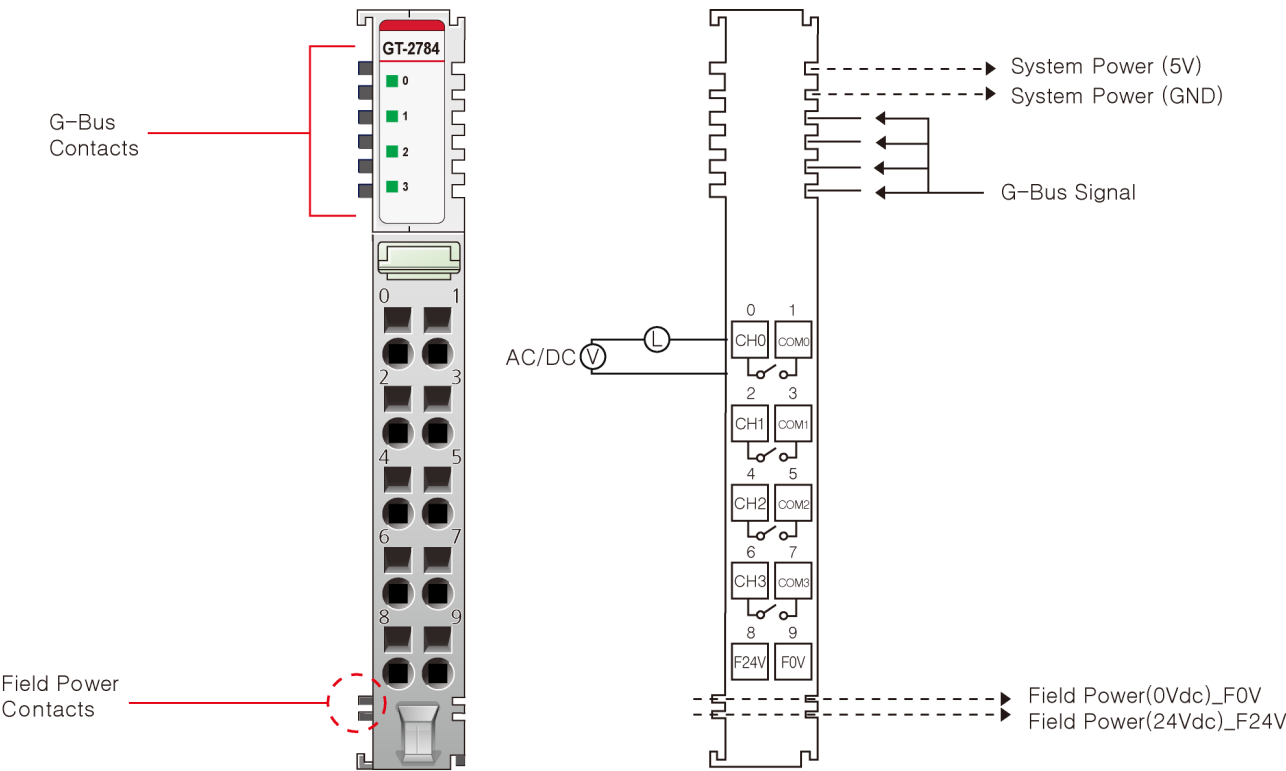
Specification

2. GT-2784 (4 Points, Relay Output Terminal, 110Vdc/ac, 1A)

2.1. GT-2784 Specification

Items	Specification
Output specification	
Output per module	4 points, bi-directional
Indicators	4 green output state
Relay type	MOS Relay (solid state relay)
Output voltage range (load dependent)	110Vac @ 1A resistive 110Vdc @ 1A resistive Max. AC/DC : 110V
Output delay time (resistive load)	OFF to ON : Max. 1 ms @ 110Vdc ON to OFF : Max. 3 ms @ 110Vdc OFF to ON : Max. 1.5 ms @ 110Vac ON to OFF : Max. 3 ms @ 110Vac
Output current rating	Max. 1A per channel 60°C : 0.8A per channel 50°C : 1A per channel
Frequency range (Vac)	47 ~ 63Hz
Open-state leakage current	Max. 10uA
Common type	4 points / 4 COM
General specification	
Power dissipation	Max. 80mA @5Vdc
Isolation	I/O to Logic : photocoupler isolation
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power	Supply voltage : 24Vdc nominal Voltage range : 15~30Vdc (AC Power Not used)
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	58g
Module size	12mm x 99mm x 70mm
Environment condition	Refer to 'Environment Specification'

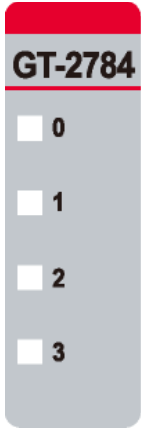
2.2. GT-2784 Wiring Diagram



Pin No.	Signal Description	Signal Description	Pin No.
0	Output Channel 0	COM 0	1
2	Output Channel 1	COM 1	3
4	Output Channel 2	COM 2	5
6	Output Channel 3	COM 3	7
8	Field Power 24V	Field Power 0V	9

2.3. GT-2784 LED Indicator

2.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
0	OUTPUT Channel 0	Green
1	OUTPUT Channel 1	Green
2	OUTPUT Channel 2	Green
3	OUTPUT Channel 3	Green

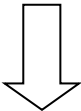
2.3.2. Channel Status LED

Status	LED	To indicate
No Signal	Off	No Output Signal
On Signal	Green	Output Signal detected

2.4. Mapping Data into the Image Table

● Output Image Value

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Reserved				D3	D2	D1	D0



● Output Module Data

D3	D2	D1	D0
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2.5. Parameter Data

- Valid Parameter length : 2Byte
- Parameter Data

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Reserved				Fault Action (ch0~ch3) 0: Fault value, 1: Hold last state			
Byte1	Reserved				Fault value(ch0~ch3) 0: Off, 1: On			