
FnIO G-Series

GT-2734

GT-2734(4 Points, Relay Output Terminal, 240Vdc/ac, 0.5A)

Specification

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Specification

History

REV.	PAGES	REMARKS	DATE	Editor
Preliminary	ALL	Preliminary	July 28, 2016	Lee, Geonwoong
1.01	8	Specification Revision	Oct 17, 2016	Jun, Seokhyun
1.02		Wiring Descripstion	July 17, 2017	HSKIM
1.03		Specification Revision	Mar 13, 2020	Soyeong, Park
1.04	4,5	Shock, Vibration specification changed General specification added(UL)	04.20.2020	JY BAE
1.05	6	Changed Diagram / Signal Description	Apr 03, 2023	Soyeong, Park

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 DNVGL-CG-0039 : Vibration Class B, 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, FCC

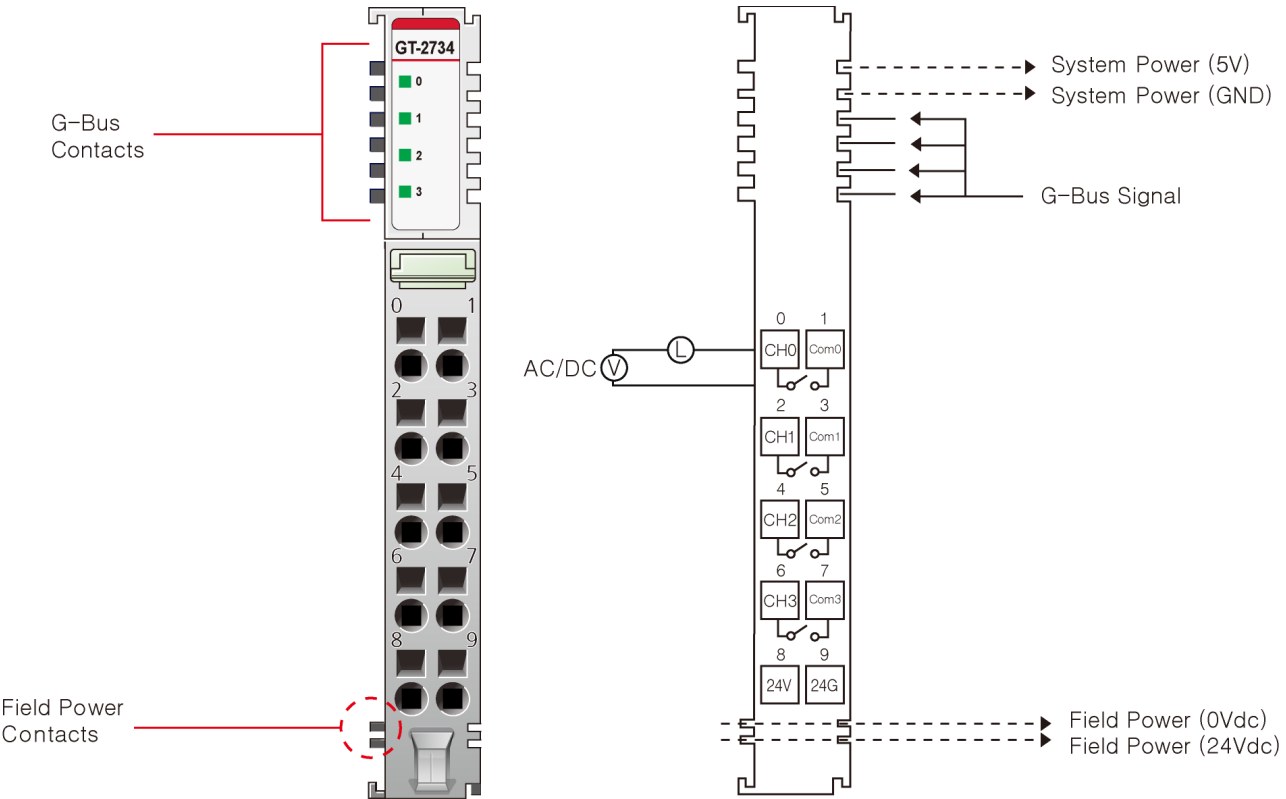
Specification

2. GT-2734 (4 Points, MOS Relay Output Terminal, 240Vdc, 0.5A)

2.1. GT-2734 Specification

Items	Specification
Output specification	
Output per module	4 points, bi-directional
Indicators	4 green output status
Relay type	MOS Relay (solid state relay)
Output voltage range (load dependent)	240Vac @ 0.5A resistive 240Vdc @ 0.5A resistive
Output delay time (resistive load)	Max. AC/DC : 240V OFF to ON : Max. 0.6ms ON to OFF : Max. 3ms
Output current rating	Max. 0.5A per channel
Frequency range (Vac)	47 ~ 63Hz
Open-state leakage current	Max. 40uA
Common type	4 points / 2 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)
Torque	0.8Nm(7 lb-in)
Weight	58g
Module size	12mm x 99mm x 70mm
Environment condition	Refer to 'Environment Specification'

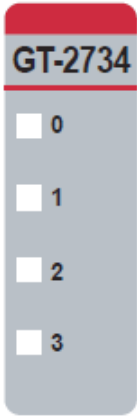
2.2. GT-2734 Wiring Diagram



Pin No.	Signal Description	Signal Description	Pin No.
0	Output Channel 0	COM0	1
2	Output Channel 1	COM1	3
4	Output Channel 2	COM2	5
6	Output Channel 3	COM3	7
8	Field Power 24V	Field Power 0V	9

2.3. GT-2734 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

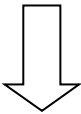
2.3.2. Channel Status LED

Status	LED	To indicate
Not Signal	Off	No Output Signal
On Signal	Green	Normal Operation

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

Offset	Decimal Bit	Description	Default Value
0	00-03	Fault Action(0~3) 0 : Fault Value, 1 : Hold last state	0 (Fault Value)
1	00-03	Fault Value (0~3) 0 : off, 1 : on	0 (off)