

Isolation Remote Modules

Isolation RS-485 Analog I/O Remote Modules

A-1012+

OVERVIEW

- ※ Analog Input 16-bit Resolution
- ※ Isolation Analog Input
- ※ Support Analog Input 0/4 ~20mA
- ※ Isolation Digital Input / Digital Output
- ※ Analog Output 12-bit Resolution
- ※ Support PT-100 Or PT-1000 (2/3/4-wired)
- ※ Burn-out Detection
- ※ Isolation RS-485 Interface
- ※ Support Analog Output 0/4 ~20mA
- ※ Supports Modbus RTU / ASCII
- ※ LED Indicator
- ※ Operation Temperature -20~+75°C
- ※ Isolation Voltage: 3500 VDC
- ※ Surge , EFT And ESD Protection
- ※ Dual Watchdog Timer
- ※ Low Power Indicator
- ※ Operation Range: Up To 1200 Meters
- ※ Free PC Software “Yotta Utility”



For more information, please refer to
www.yottacontrol.com

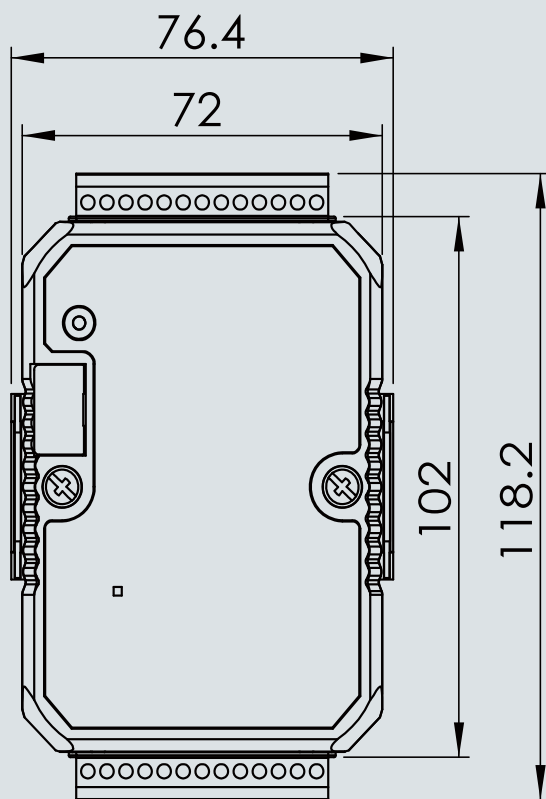
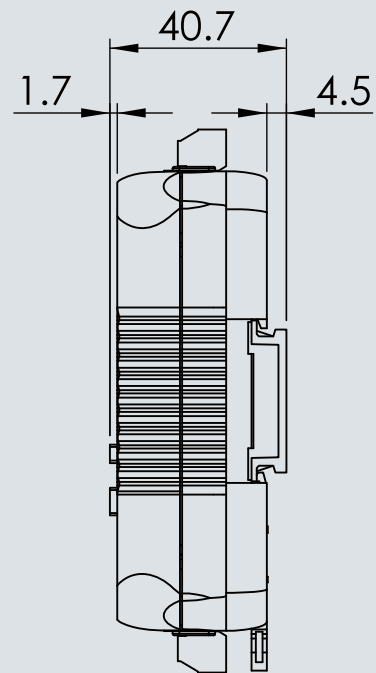
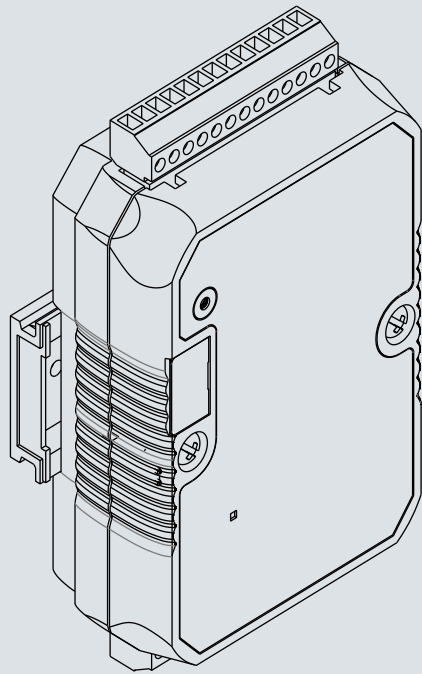
Type	A-1012+
	ADIO
Operation Voltage	10-30VDC/24VAC
Inputs	2*Isolation DI status low:<1VDC status high:>8-30VDC
Outputs	2*(Transistor)
Continuous Current	10-35VDC(1A)
Communication Baud Rate	2400-115200bps
Isolation	YES(3500VDC)
Input Operating Frequency	10HZ
Output Operating Frequency	Transistor:10HZ
Operation Temperature	-20 to +75 °C
Degree Of Protection	IP20
Installation	35 mm DIN rail or Flush mounting
Dimension (W x H x D mm)	76.4*118.2*38.5 mm
Analog Inputs	8 (16-bit)
Analog Input Type	0/4~20mA, PT-100/1000 (-200 ~ +600°C)
Analog Outputs	2 (12-bit)
Analog Output Type	2* 0/4~20mA
Input Impedance	Current: 100 Ω Voltage : 10 MΩ
Analog Input / Output Accuracy	±0.1% / ±1%
Interface	RS-485
Channel Independent Configuration	YES
Sampling Rate	10 sample/second (total)
CMR @ 50/60 Hz	120 dB
Span Drift	±50 ppm/°C
Zero Drift	±18 μV/°C
Temperature Ranges	(PT-100:-200-600°C) (PT-1000:-200-600°C)

Dimension

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Dimension



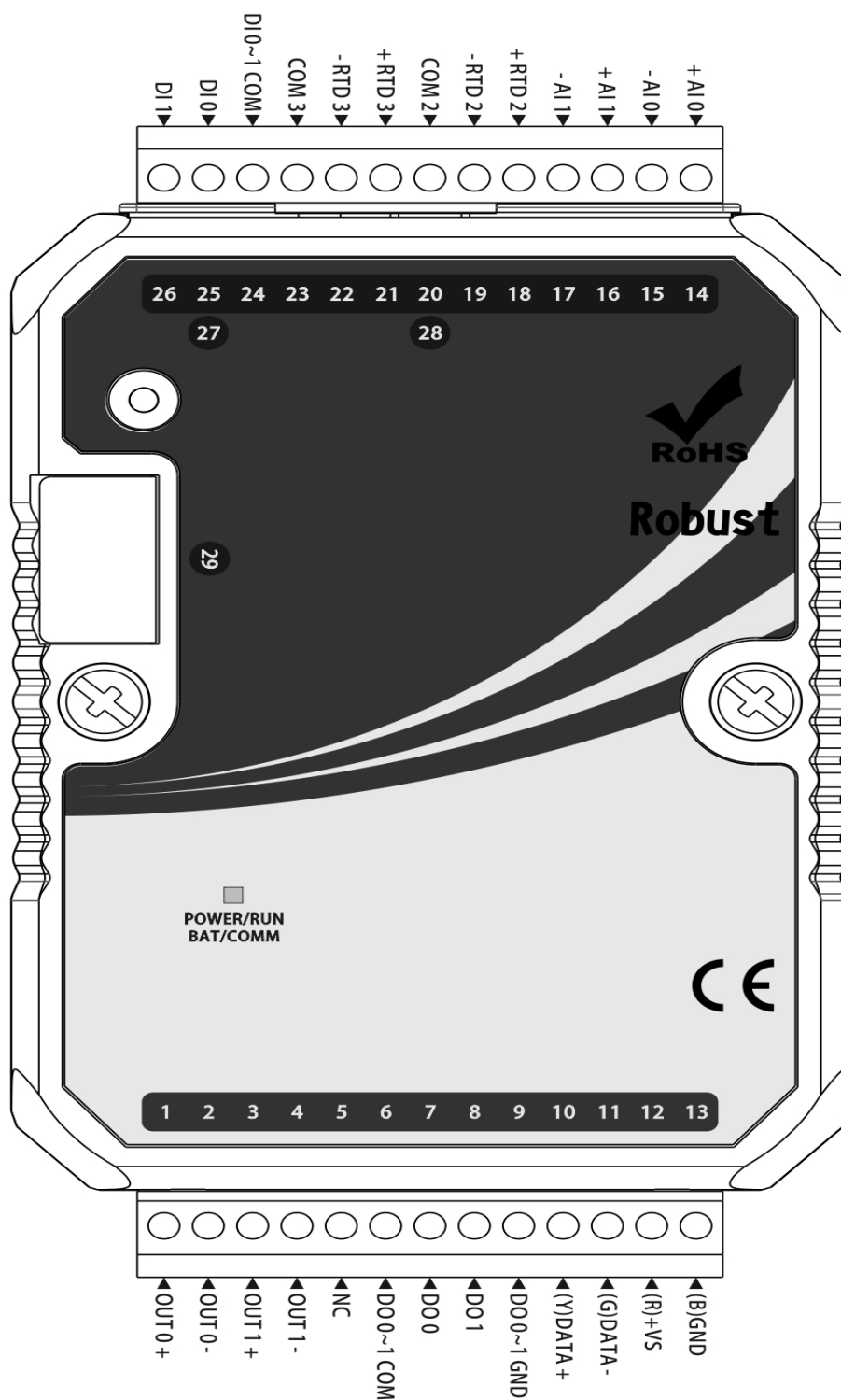
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Pin Assignments

Remote Modules

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Pin Table



Function	
1	OUT 0 +
2	OUT 0 -
3	OUT 1 +
4	OUT 1 -
5	NC
6	DO 0~1 CIM
7	DO 0
8	DO 1
9	DO 0~1 GND
10	(Y)DATA +
11	(G)DATA -
12	(R)+VS
13	(B)GND
14	+ AI 0
15	- AI 0
16	+ AI 1
17	- AI 1
18	+ RTD 2
19	- RTD 2
20	COM 2
21	+ RTD 3
22	- RTD 3
23	COM 3
24	DI 0~1 COM
25	DI 0
26	DI 1
27	NC
28	NC
29	NC

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Yottacontrol Mapping Table .2019