

A Series Remote Modules

Catalogue • 2016. 03



WiFi/ETHERNET/RS-485 Remote Modules

eAutomation Solution

 **Yottacontrol Co.**

Remote Modules

WiFi Analog I/O Remote Modules

A-12x Series



OVERVIEW

- ※ Analog Input 16-bit Resolution
- ※ Analog Output 12-bit Resolution
- ※ Support Analog Input/Output 0/4 ~20mA or 0~10V
- ※ Support PT-100 or PT-1000 (2/3/4-wired)
- ※ Support J, K, T, E, R, S, B Thermocouple
- ※ Support 2. 252K/3K/10K Thermistor
- ※ Burn-out Detection
- ※ WIFI Interface + RS-485 Interface + USB Interface
- ※ Hi-Speed RS-485 Interface (Max 921600bps)
- ※ Standard 2.4GHz IEEE 802.11 b/g (Wi-Fi)
- ※ Built-in Step Motor Driver, Connect Directly
- ※ Output Over Current Protection (OCP)
- ※ Output Over Thermal Protection (OTP)
- ※ Output Under Voltage Lockout (UVLO)
- ※ Support MODBUS TCP/IP, UDP/IP, RTU, ASCII
- ※ Able to connect Wi-Fi AP, Internet Of Things (IOT), remote control
- ※ Support WPA2-PSK(AES)
- ※ Free PC software "Yotta Utility"



For more information, please refer to

www.yottacontrol.com

Type	A-1251	A-1212	A-1219	A-1255	A-1260
	DI	ADIO	ADIO	ADIO	ADIO
Operation Voltage	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC
Inputs	16*Isolation DI status low:<1VDC status high:>5-30VDC	2*Isolation DI status low:<1VDC status high:>5-30VDC	4*Isolation DI status low:<1VDC status high:>5-30VDC	8*Isolation DI status low:<1VDC status high:>5-30VDC	7*Isolation DI status low:<1VDC status high:>5-30VDC
Outputs	---	2*(Source Transistor) ---	---	4*(Motor Driver)	4*(Power Relay)
Continuous Current	---	10-35VDC(1A)	---	8-60VDC(1.75A)	250VAC(7A)/30VDC(7A)
Communication Baud Rate			2400-921600bps		
Isolation			YES(5000VDC)		
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	---	4 (16-bit)	8 (16-bit)		4 (12-bit)
Analog input Type	---	2* 0/4-20mA 2* PT-100/1000 (-200 ~ +600°C)	0/4-20mA, J, K, T, E, R, , S, B, Thermistor (-100 ~ +1800°C)		4* 0-10V
Analog Outputs	---	2 (12-bit)	---		---
Analog Outputs	---	0/4 ~20mA	---		---
Input Impedance	---	Current: 100 Ω RTD : 10 MΩ	Current: 100 Ω Voltage : 10 MΩ		Voltage:10 MΩ
Input Accuracy	---	±0.1%	±0.1%		±1%
Interface			WiFi + RS-485 + USB		
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) (J:0-760°C) (K:0-1,370°C) (T:-100-400°C) (E:0-1,000°C) (R:500-1,750°C) (S:500-1,750°C) (B:500-1,800°C) (2.252K Thermistor:-30~+100°C) (3K Thermistor:-20~+100°C) (10K Thermistor0~+100°C)		

Remote Modules

ETHERNET Analog I/O Remote Modules

A-18x Series



OVERVIEW

- ※ Analog Input 16-bit Resolution
- ※ Analog Output 12-bit Resolution
- ※ Support Analog Input/Output 0/4 ~20mA or 0~10V
- ※ Support PT-100 or PT-1000 (2/3/4-wired)
- ※ Support J, K, T, E, R, S, B Thermocouple
- ※ Support 2. 252K/3K/10K Thermistor
- ※ Burn-out Detection
- ※ Ethernet Interface + USB Interface
- ※ Supports 8 Independent Sockets Simultaneously
- ※ Remote monitoring and control with mobile devices
- ※ Built-in Step Motor Driver, Connect Directly
- ※ Output Over Current Protection (OCP)
- ※ Output Over Thermal Protection (OTP)
- ※ Output Under Voltage Lockout (UVLO)
- ※ Support MODBUS TCP/IP, UDP/IP, RTU, ASCII
- ※ Flexible user-defined Modbus address
- ※ Support LAN 10/100 Mbps communication rate
- ※ Free PC software "Yotta Utility"



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

Type	A-1851	A-1812	A-1819	A-1855	A-1860
	DI	AIO	AIO	DIO	DIO
Operation Voltage	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC
Inputs	16*Isolation DI status low:<1VDC status high:>5-30VDC	2*Isolation DI status low:<1VDC status high:>5-30VDC	---	8*Isolation DI status low:<1VDC status high:>5-30VDC	8*Isolation DI status low:<1VDC status high:>5-30VDC
Outputs	---	---	---	4*(Motor Driver)	4*(Power Relay)
Continuous Current	---	---	---	8-60VDC(1.75A)	250VAC(7A)/30VDC(7A)
Communication Baud Rate			10/100Mbps		
Isolation			YES(5000VDC)		
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	---	4 (16-bit)	8 (16-bit)		---
Analog input Type	---	2* 0/4-20mA 2* PT-100/1000 (-200 ~ +600°C)	0/4-20mA, J, K, T, E, R, , S, B, Thermistor (-100 ~ +1800°C)		---
Analog Outputs	---	2 (12-bit)	---		---
Analog Outputs	---	0/4 ~20mA	---		---
Input Impedance	---	Current: 100 Ω RTD : 10 MΩ	Current: 100 Ω Voltage : 10 MΩ		---
Input Accuracy	---	±0.1%	±0.1%		---
Interface			Ethernet + USB		
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) (J:0-760°C) (K:0-1,370°C) (T:-100-400°C) (E:0-1,000°C) (R:500-1,750°C) (S:500-1,750°C) (B:500-1,800°C) (2.252K Thermistor:-30~+100°C) (3K Thermistor:-20~+100°C) (10K Thermistor0~+100°C)		

Remote Modules

RS-485 I/O Remote Modules

A-10x Series

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OVERVIEW

- ※ Use For A-1x/A-2x/A-5x/A-6x/A-7x Series
- ※ RS-485 Interface
- ※ Supports Modbus RTU / ASCII
- ※ LED indicator
- ※ Operation temperature $-20\sim+75^{\circ}\text{C}$
- ※ Isolation voltage: 5000 V DC
- ※ 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-1057	A-1058	A-1068	A-1069	A-1051	A-1055
	DO	DO	DO	DO	DI	DIO
Operation Voltage	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC
Inputs	---	---	---	---	16*Isolation DI status low:<1VDC status high:>5-30VDC	8*Isolation DI status low:<1VDC status high:>5-30VDC
Outputs	12 (Source Transistor)	12 (Sink Transistor)	8 (Signal Relay)	8 (Power Relay)	---	8 (Sink Transistor)
Continuous Current	10-35VDC(1A)	10-40VDC(200mA)	120VAC(0.5A)/30VDC(1A)	250VAC(5A)/30VDC(1A)	---	10-40VDC(200mA)
Communication Baud Rate	1200-115200bps					
Isolation	YES(5000VDC)					
Input Operating Frequency	10HZ					
Output Operating Frequency	Relay:10HZ / Transistor:10HZ					
Operation Temperature	-20 to $+75^{\circ}\text{C}$					
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					

Type	A-1055S	A-1060
	DIO	DIO
Operation Voltage	10-30VDC/24VAC	10-30VDC/24VAC
Inputs	8*Isolation DI status low:<1VDC status high:>5-30VDC	8*Isolation DI status low:<1VDC status high:>5-30VDC
Outputs	8 (Source Transistor)	4 (Power Relay)
Continuous Current	10-35VDC(1A)	250VAC(5A)/30VDC(5A)
Communication Baud Rate	1200-115200bps	
Analog inputs	---	
Analog Output	---	
Isolation	YES(5000VDC)	
Input Operating Frequency	10HZ	
Output Operating Frequency	Relay:10HZ / Transistor:10HZ	
Operation Temperature	-20 to $+75^{\circ}\text{C}$	
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	

Remote Modules

RS-485 Analog I/O Remote Modules

A-10x Series

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OVERVIEW

- ※ Analog Input 16-bit Resolution
- ※ Analog Output 12-bit Resolution
- ※ Support Analog Input/Output 0/4 ~20mA or 0~10V
- ※ Support PT-100 or PT-1000 (2 or 3-wired)
- ※ Support J, K, T, E, R, S, B Thermocouple
- ※ Support 2. 252K/3K/10K Thermistor
- ※ Burn-out Detection
- ※ RS-485 Interface + USB Interface
- ※ Hi-Speed RS-485 Interface (Max 921600bps)
- ※ Supports Modbus RTU / ASCII
- ※ LED indicator
- ※ Operation temperature -20~+75°C
- ※ Isolation voltage: 5000 V DC
- ※ 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-1010	A-1012	A-1019
	ADIO	ADIO	ADIO
Operation Voltage	10-30VDC/24VAC	10-30VDC/24VAC	10-30VDC/24VAC
Inputs	---	2*Isolation DI status low:<1VDC status high:>5-30VDC	4*Isolation DI status low:<1VDC status high:>5-30VDC
Outputs	4*(Sink Transistor)	2*(Souce Transistor)	---
Continuous Current	10-40VDC(200mA)	10-35VDC(1A)	---
Communication Baud Rate			2400-921600bps
Isolation			YES(5000VDC)
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 (10-bit)	4 (16-bit)	8 (16-bit)
Analog input Type	0-10V	2* 0/4-20mA 2* PT-100/1000 (-200 ~ +600°C)	0/4-20mA, J, K, T, E, R , S, B, Thermistor (-100 ~ +1800°C)
Analog Outputs	2 (10-bit)	2 (12-bit)	---
Analog Outputs	0-10V	0/4 ~20mA	---
Input Impedance	Voltage:10 MΩ	Current: 100 Ω RTD : 10 MΩ	Current: 100 Ω Voltage : 10 MΩ
Input Accuracy	±1%	±0.1%	±0.1%
Interface	RS-485		RS-485 + USB
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) (J:0~760°C) (K:0~1,370°C) (T:-100~400°C) (E:0~1,000°C) (R:500~1,750°C) (S:500~1,750°C) (B:500~1,800°C) (2.252K Thermistor:-30~+100°C) (3K Thermistor:-20~+100°C) (10K Thermistor0~+100°C)		

Monitoring and Database Software

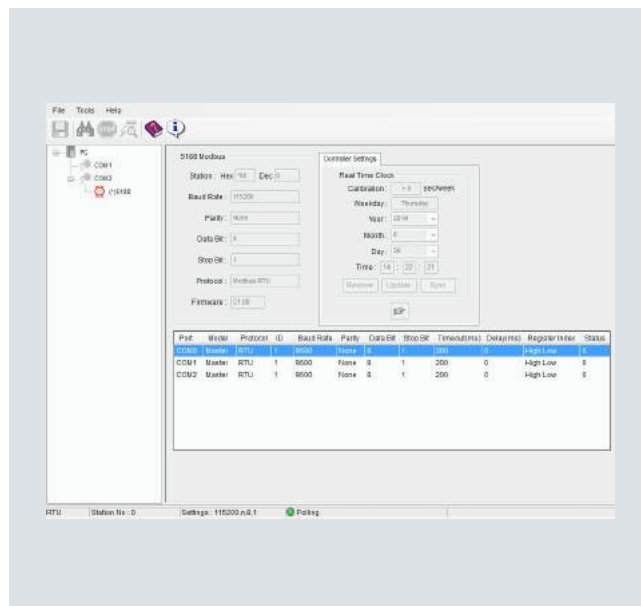
DCS Monitoring and Database Software

Yotta Utility

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OVERVIEW

- ※ Monitor & Database Function
- ※ Use For All Yottacontrol A-1/2/3/5/6/7 Series Controller & Time Switch Series
- ※ Windows98/ME/2000/XP/Vista/7/8/10
- ※ Quick Setup Distributed Device Parameter & Monitoring
- ※ Can Monitor DCS Program & Parameters
- ※ Can Monitor PLC Program & Parameters
- ※ Monitor & Database Can Use For SCADA
- ※ Real-Time Monitoring, Warning Setup
- ※ Monitor Hundreds Controllers & Distributed Devices
- ※ Component Name Comment
- ※ Easy Logical Program Function
- ※ Time Switch Series Edit
- ※ Multi Communicate Parameter Function
- ※ Support MODBUS TCP-IP/UDP-IP/RTU/ASCII
- ※ Quick Setup Controller RTC Parameter



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

APPLICATIONS

ELECTRONIC EQUIPMENT

- SORTING MACHINE
- LOADER & UNLOADER
- PACKAGING MACHINE
- DETECTOR
- CUTTING MACHINE
- LAMINATOR
- COATING MACHINE
- LAPPING MACHINE
- FEEDING SYSTEM
- PRECISION MACHINERY

ELECTROMECHANICAL EQUIPMENT

- SPRAYING MACHINE
- EVAPORATION
- MACERATOR
- CALENDER MACHINE
- FLUSHING MACHINE
- ELECTROPLATING MACHINE
- WELDING MACHINE
- PRESS MACHINE
- CUTTING MACHINE
- BENDING MACHINE
- BOBBIN MACHINE
- BURN-IN EQUIPMENT
- DIE CASTER
- HEATING PROCESSING

FOOD & BEVERAGE

- PACKAGING MACHINE
- SEAL-CAPPING MACHINE
- LABELLING MACHINE
- FORMING MACHINE
- BLENDER EQUIPMENT
- CASING MACHINE
- FILLING MACHINE
- DRYER EQUIPMENT
- WEIGHT SEPARATOR
- CAPPING MACHINE
- INJECTION MACHINE
- TEMPERATURE-CONTROL

Ordering Information

Yottacontrol A-1x Remote Modules

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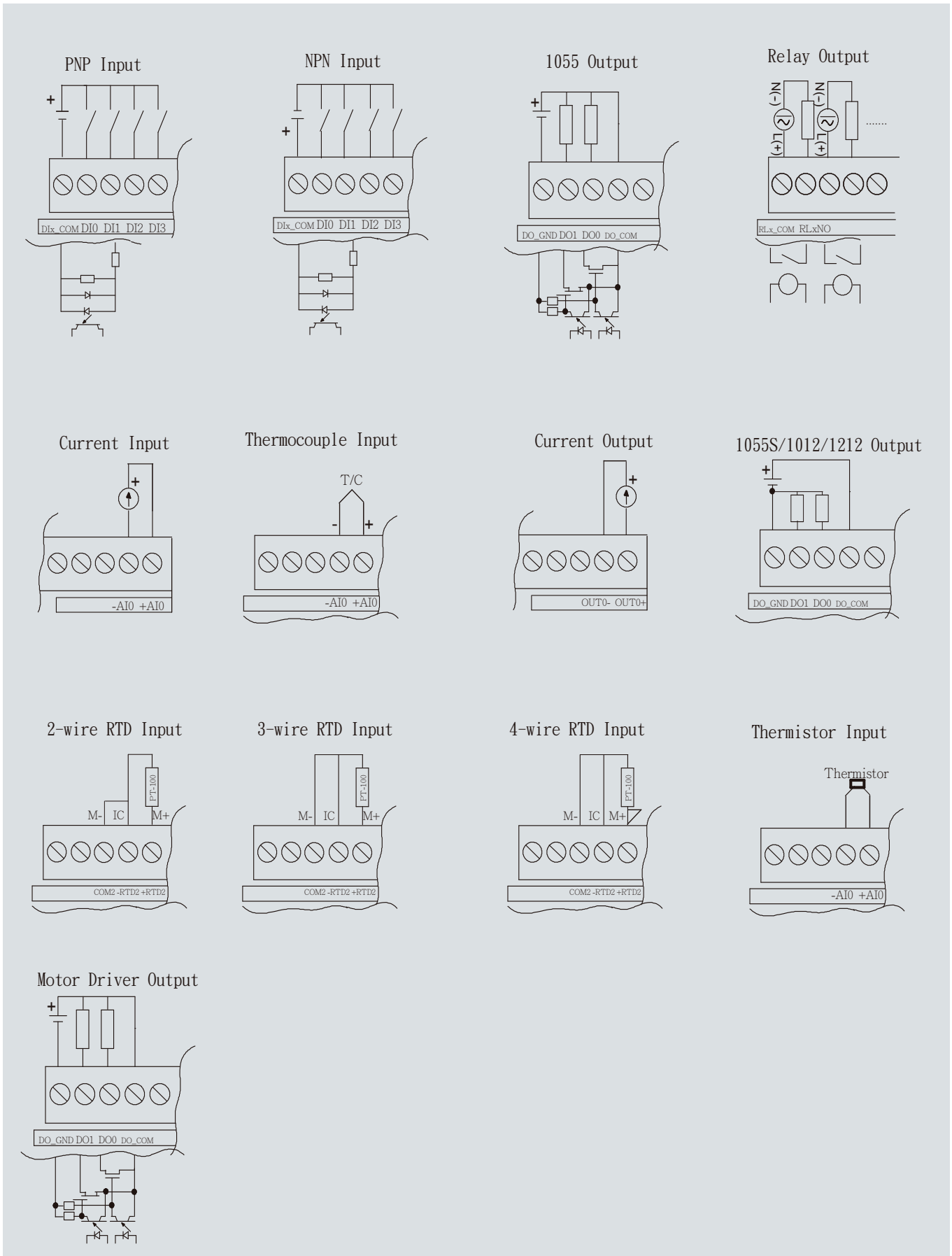
WIFI Remote Modules		
1212	WIFI ADIO Remote Modules, 4AI(0-20/4-20mA + PT-100/1000), 2AO(0-20/4-20mA), 2DI, 2DO(Source Output), WIFI*1, RS-485*1, USB*1	A-1212
1219	WIFI ADIO Remote Modules, 8AI(0-20/4-20mA, J, K, T, E, R, S, B, Thermistor), 4DI, WIFI*1, RS-485*1, USB*1	A-1219
1251	WIFI DI Remote Modules, 16DI, WIFI*1, RS-485*1, USB*1	A-1251
1255	WIFI ADIO Remote Modules, 8DI/4DO/4AI(0-10V), Motor Driver Output, WIFI*1, RS-485*1, USB*1	A-1255
1260	WIFI ADIO Remote Modules, 7DI/4DO/4AI(0-10V), Power Relay Output, WIFI*1, RS-485*1, USB*1	A-1260
ETHERNET Remote Modules		
1812	ETHERNET ADIO Remote Modules, 4AI(0-20/4-20mA + PT-100/1000), 2AO(0-20/4-20mA), 2DI, ETHERNET*1, USB*1	A-1812
1819	ETHERNET ADIO Remote Modules, 8AI(0-20/4-20mA, J, K, T, E, R, S, B, Thermistor), ETHERNET*1, USB*1	A-1819
1851	ETHERNET DI Remote Modules, 16DI, ETHERNET*1, USB*1	A-1851
1855	ETHERNET DIO Remote Modules, 8DI/4DO, Motor Driver Output, ETHERNET*1, USB*1	A-1855
1860	ETHERNET DIO Remote Modules, 8DI/4DO, Power Relay Output, ETHERNET*1, USB*1	A-1860
RS-485 Remote Modules		
1057	DO Remote Modules, LED indicator, DC Power Supply, 12DO, Source Output, RS-485*1	A-1057
1058	DO Remote Modules, LED indicator, DC Power Supply, 12DO, Sink Output, RS-485*1	A-1058
1068	DO Remote Modules, LED indicator, DC Power Supply, 8DO, Signal Relay Output, RS-485*1	A-1068
1069	DO Remote Modules, LED indicator, DC Power Supply, 8DO, Power Relay Output, RS-485*1	A-1069
1051	DI Remote Modules, LED indicator, DC Power Supply, 16DI, RS-485*1	A-1051
1055	DIO Remote Modules, LED indicator, DC Power Supply, 8DI/8DO, Sink Output, RS-485*1	A-1055
1055S	DIO Remote Modules, LED indicator, DC Power Supply, 8DI/8DO, Source Output, RS-485*1	A-1055S
1060	DIO Remote Modules, LED indicator, DC Power Supply, 8DI/4DO, Power Relay Output, RS-485*1	A-1060
1010	ADIO Remote Modules, LED indicator, DC Power Supply, 8AI(0-10V), 2AO(0-10V), 4DO(Sink Output), RS-485*1	A-1010
1012	ADIO Remote Modules, LED indicator, DC Power Supply, 4AI(0-20/4-20mA + PT-100/1000), 2AO(0-20/4-20mA), 2DI, 2DO(Source Output), RS-485*1, USB*1	A-1012
1019	ADIO Remote Modules, LED indicator, DC Power Supply, 8AI(0-20/4-20mA, J, K, T, E, R, S, B, Thermistor), 4DI, RS-485*1, USB*1	A-1019
Accessories		
ASPS	Power Supply, 24V/2A	ASPS
CAB-MINIUSB60	Communication lines	CAB-MINIUSB60
Software		
Yotta Utility	Monitoring and Database Software	Yotta Utility
A-1x USB Driver	A-1x USB PC Driver	DR-A1XUSB

Wiring Diagrams & Pin Out

Remote Modules

A-1x Series

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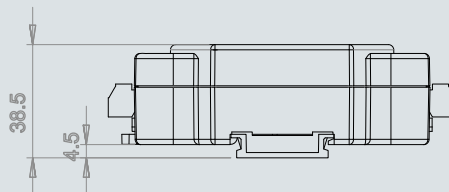
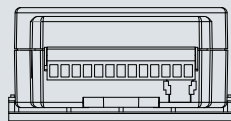
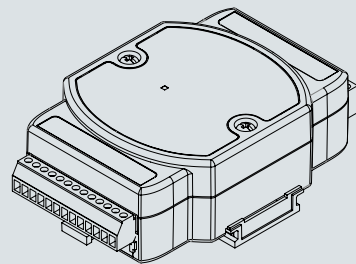
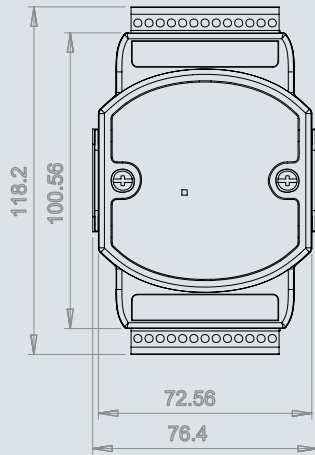
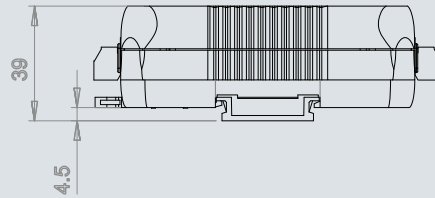
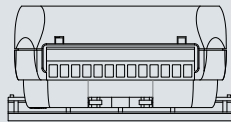
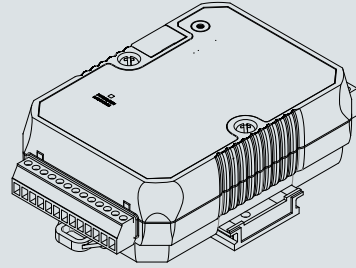
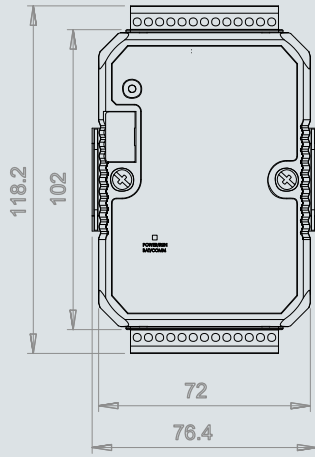
For more information, please refer to www.yottacontrol.com

Dimension

Remote Modules

Remote Modules

Dimension



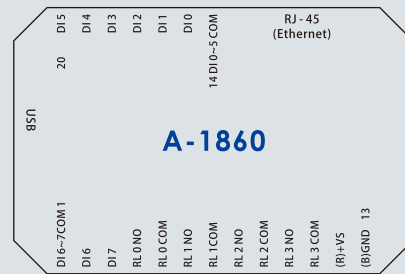
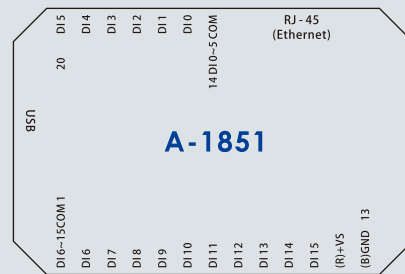
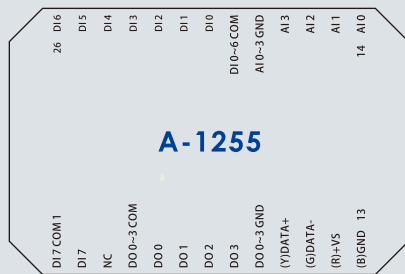
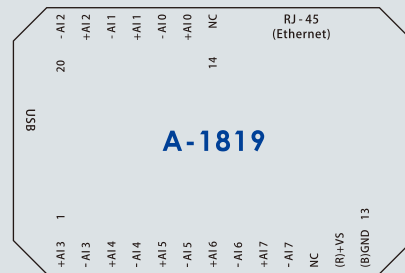
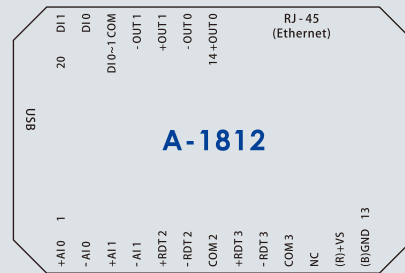
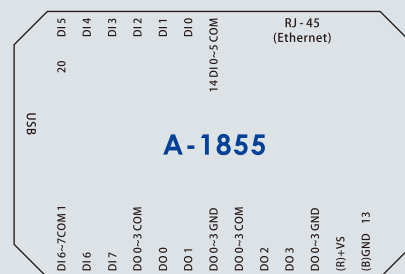
For more information, please refer to www.yottacontrol.com

Pin Assignments

Remote Modules

Remote Modules

Pin Table



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

Address Mapping

Remote Modules

Remote Modules

Mapping Table

A-1212				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001-00002	0-1 DI Input Signal	R	R	
00017-00018	0-1 DO Output Value	R/W	R/W	
00033-34	0-1 Power On Digital Output Value	R	R/W	
00049-50	0-1 Communication Fail Safe Value	R	R/W	
00065-00066	0-1 Burn-out Signal	R	R	1:Burn-out (4-20mA only)
00067-00068	2-3 Burn-out Signal	R	R	1:Burn-out
000128-01152	0-1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001-40002	0-1 Current Input Value	R	R	0-20000:0/4-20mA
40003-40004	2-3 Current Input Value	R	R	0-8000:200-+600°C
40017-40018	0-1 Current Output Value	R/W	R/W	0-4000:0/4-20mA
40033-40034	Power On Analog Output Value AOO	R	R/W	0-4000:0/4-20mA
40049-40050	0-1 Communication Fail Safe Analog Output Value	R	R/W	0-4000:0/4-20mA
40065-40066	0-1 Input Type Code	R	R/W	0:4-20mA 1:0-20mA
40067-40068	2-3 Input Type Code	R	R/W	0:PT-100 $\alpha = 0.00385$ 1:PT-100 $\alpha = 0.003916$ 2:PT-1000 $\alpha = 0.00385$ 3:PT-1000 $\alpha = 0.003916$
40081-40082	0-1 Output Type Code	R	R/W	0:4-20mA 1:0-20mA
40097-40098	0-1 Current Input Value	R	R	4/0-20:4/0-20mA
40099-40100	2-3 Current Input Value	R	R	-200-+600:-200-+600°C
40113-40114	0-1 Current Input Value	R	R	4/0-20:4/0-20mA
40115-40116	2-3 Current Input Value	R	R	-328-+1112:-328-+1112°F
40129-40130	0-1 Current Input Value	R	R	40.0-200:4.0/0-20.0mA
40131-40132	2-3 Current Input Value	R	R	-2000-+6000:-200.0-+600.0°C
40145-40146	0-1 Current Input Value	R	R	40/0-200:4.0/0-20.0mA
40147-40148	2-3 Current Input Value	R	R	-3280-+1120:-328.0-+112.0°F
40161-40164	0-3 Current Input Value	R	R	0-10000:0.00-100.00% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0-65535:Disable-65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x10 0x12
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215-40220	1-6Mac Serial Number	R	R	
40300	Module's ID in normal mode	R	R/W	1-255
40301	Protocol in normal mode	R	R/W	0: RTU 1: ASCII
40302	Baud rate in normal mode	R	R/W	1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps 10 : 230400 bps 11 : 460800 bps 12 : 921600 bps
40303	Parity option in normal mode	R	R/W	0: None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit
40305	Time Out Setting in normal mode	R	R/W	0-65535 msec
40609-40616	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40641-40648	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float CD AB)
40673-40680	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float CD AB)
40705-40712	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float AB CD)
40737-40744	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float AB CD)
40769-40776	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float AB CD)
40801-40808	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float BA DC)
40833-40840	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float BA DC)
40865-40872	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float BA DC)
40897-40904	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float DC BA)
40929-40936	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float DC BA)
40961-40968	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float DC BA)
41281-41408	0-127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0-65535
40401	WiFi Mode	R	R/W	0:AP(default) 1:Remote
40402	WiFi Encryption (WPA2)	R	R/W	0:DISABLE(default) 1:ENABLE
40403-40434	WiFi SSID	R	R/W	Default : 12WiFi
40435-40498	WiFi Password	R	R/W	Default : 88888888
40499	WiFi Channel	R	R/W	0- 13 0: auto(default) / 1-13CH
40500-40503	WiFi IP	R	R/W	IP:x.x.x.x default : 192.168.1.1
40504-40507	WiFi MASK	R	R/W	MASK: x.x.x.x default:255.255.255.0
40508-40511	WiFi GATEWAY	R	R/W	GATEWAY: x.x.x.x Default:0.0.0.0
40512	WiFi MODBUS ID	R	R/W	INIT*: 0 ,NOR:1-255
40513	WiFi LOCAL PORT	R	R/W	1-65535 Default:502
40514	WiFi REMOTE PORT	R	R/W	1-65535 Default:2000
40515	WiFi DHCP Enable	R	R/W	0:ENABLE(default) 1:DISABLE
40516	WiFi PROTOCOL	R	R/W	0:Modbus TCP/IP(default) 1:Modbus UDP/IP 2:Modbus RTU Over TCP/IP 3:Modbus RTU Over UDP/IP
40517	WiFi TX POWER	R	R/W	0: Auto(default) step :1-12
40518-40523	MAC ADDRESS	R	R	EX: 00-05-5D-E8-0F-A3

For more information, please refer to
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Address Mapping

Remote Modules

Remote Modules

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Mapping Table

A-1219				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001-00004	0-3 DI Input Signal	R	R	
00065-00072	0-7 Burn-out Signal	R	R	1: Burn-out
000128-01152	0-1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001-40008	0-7 Current Input Value	R	R	0-20000:0-20mA/4-20mA 0-19000:100-+1800°C
40065-40072	0-7 Input Type Code	R	R/W	0: 4-20mA 1: 0-20mA 2: J(0-760°C) 3: K(0-1,370°C) 4: T(100-400°C) 5: E(0-1,000°C) 6: R(500-1,750°C) 7: S(500-1,750°C) 8: B(500-1,800°C) 9: 2.252K Thermistor(-30-+100°C) 10: 3K Thermistor(-20-+100°C) 11: 10K Thermistor(0-+100°C)
40097-400104	0-7 Current Input Value	R	R	40-20:4.0-20mA -100-+1800:100-+1800°C
40113-40120	0-7 Current Input Value	R	R	4.0-20:4.0-20mA -148-+3272:-148-+3272°F
40129-40136	0-7 Current Input Value	R	R	400-200:4.00-20.0mA -1000-+18000:100.0-+1800.0°C
40145-40152	0-7 Current Input Value	R	R	400-200:4.00-20.0mA -1480-+32720:-148.0-+3272.0°F
40161-40168	0-7 Current Input Value	R	R	0-10000:0.00-100.00% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0-65535:Disable-65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x10 0x19
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215-40220	1-6 Mac Serial Number	R	R	
40300	Module's ID in normal mode	R	R/W	1-255
40301	Protocol in normal mode	R	R/W	0: RTU 1: ASCII
40302	Baud rate in normal mode	R	R/W	1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps 10 : 230400 bps 11 : 460800 bps 12 : 921600 bps
40303	Parity option in normal mode	R	R/W	0 : None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit
40305	Time Out Setting in normal mode	R	R/W	0-65535 msec
40609-40624	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40641-40656	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float CD AB)
40673-40688	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float CD AB)
40705-40720	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float AB CD)
40737-40752	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float AB CD)
40769-40784	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float AB CD)
40801-40816	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float BA DC)
40833-40848	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float BA DC)
40865-40880	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float BA DC)
40897-40912	0-3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float DC BA)
40929-40944	0-3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float DC BA)
40961-40976	0-3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float DC BA)
41281-41408	0-127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0-65535
40401	WiFi Mode	R	R/W	0:AP(default) 1:Remote
40402	WiFi Encryption (WPA2)	R	R/W	0:DISABLE(default) 1:ENABLE
40403-40434	WiFi SSID	R	R/W	Default : 12WiFi
40435-40498	WiFi Password	R	R/W	Default : 88888888
40499	WiFi Channel	R	R/W	0- 13 0: auto(default) / 1-13CH
40500-40503	WiFi IP	R	R/W	IP:x.x.x.x default : 192.168.1.1
40504-40507	WiFi MASK	R	R/W	MASK: x.x.x.x default:255.255.0
40508-40511	WiFi GATEWAY	R	R/W	GATEWAY: x.x.x.x Default:0.0.0.0
40512	WiFi MODBUS ID	R	R/W	INIT*: 0 ,NOR:1-255
40513	WiFi LOCAL PORT	R	R/W	1-65535 Default :502
40514	WiFi REMOTE PORT	R	R/W	1-65535 Default:2000
40515	WiFi DHCP Enable	R	R/W	0:ENABLE(default) 1:DISABLE
40516	WiFi PROTOCOL	R	R/W	0:Modbus TCP/IP(default) 1:Modbus UDP/IP 2:Modbus RTU Over TCP/IP 3:Modbus RTU Over UDP/IP
40517	WiFi TX POWER	R	R/W	0: Auto(default) step:1-12
40518-40523	MAC ADDRESS	R	R	EX: 00-05-5D-E8-0F-A3

For more information, please refer to
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Address Mapping

Remote Modules

Remote Modules

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Mapping Table

A-1251/A-1255/A-1260				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00016	0~15 DI Input Signal	R	R	
00017~00032	0~15 DO Output Value	R/W	R/W	
00033~00048	0~15 Power On Digital Output Value	R	R/W	
00049~00064	0~15 Communication Fail Safe Value	R	R/W	
000128~01152	0~1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001~40016	0~15 Current Input Value	R	R	0~4000:0~10V
40097~40112	0~15 Current Input Value	R	R	0~10:0~10V
40129~40144	0~15 Current Input Value	R	R	0~1000:0~10V
40161~40176	0~15 Current Input Value	R	R	0~1000:0.00~100.0% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0~65535:Disable~65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x12 0x60
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215~40220	1~6Mac Serial Number	R	R	
40300	Module's ID in normal mode	R	R/W	1~255
40301	Protocol in normal mode	R	R/W	0: RTU 1: ASCII
40302	Baud rate in normal mode	R	R/W	1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps 10 : 230400 bps 11 : 460800 bps 12 : 921600 bps
40303	Parity option in normal mode	R	R/W	0 : None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit
40305	Time Out Setting in normal mode	R	R/W	0~65535 msec
40609~40640	0~15 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40705~40736	0~15 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float AB CD)
40801~40832	0~15 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float BA DC)
40897~40928	0~15 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float DC BA)
41281~41408	0~127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535
40401	WiFi Mode	R	R/W	0:AP(default) 1:Remote
40402	WiFi Encryption (WPA2)	R	R/W	0:DISABLE(default) 1:ENABLE
40403~40434	WiFi SSID	R	R/W	Default : 12WiFi
40435~40498	WiFi Password	R	R/W	Default : 88888888
40499	WiFi Channel	R	R/W	0~ 13 0: auto(default) / 1~13CH
40500~40503	WiFi IP	R	R/W	IP:x.x.x.x default : 192.168.1.1
40504~40507	WiFi MASK	R	R/W	MASK: x.x.x.x default:255.255.255.0
40508~40511	WiFi GATEWAY	R	R/W	GATEWAY: x.x.x.x Default:0.0.0.0
40512	WiFi MODBUS ID	R	R/W	INIT*: 0 ,NOR:1~255
40513	WiFi LOCAL PORT	R	R/W	1~65535 Default :502
40514	WiFi REMOTE PORT	R	R/W	1~65535 Default:2000
40515	WiFi DHCP Enable	R	R/W	0:ENABLE(default) 1:DISABLE
40516	WiFi PROTOCOL	R	R/W	0:Modbus TCP/IP(default) 1:Modbus UDP/IP 2:Modbus RTU Over TCP/IP 3:Modbus RTU Over UDP/IP
40517	WiFi TX POWER	R	R/W	0: Auto(default) step :1~12
40518~40523	MAC ADDRESS	R	R	EX: 00-05-5D-E8-0F-A3

For more information, please refer to
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Address Mapping

Remote Modules

Remote Modules

Mapping Table

A-1812				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00002	0~1 DI Input Signal	R	R	
00065~00066	0~1 Burn-out Signal	R	R	1:Burn-out (4~20mA only)
00067~00068	2~3 Burn-out Signal	R	R	1:Burn-out
000128~01152	0~1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001~40002	0~1 Current Input Value	R	R	0~20000:0/4~20mA
40003~40004	2~3 Current Input Value	R	R	0~8000:-200~+600°C
40017~40018	0~1 Current Output Value	R/W	R/W	0~4000:0/4~20mA
40033~40034	Power On Analog Output Value A00	R	R/W	0~4000:0/4~20mA
40049~40050	0~1 Communication Fail Safe Analog Output Value	R	R/W	0~4000:0/4~20mA
40065~40066	0~1 Input Type Code	R	R/W	0:4~20mA 1: 0~20mA
40067~40068	2~3 Input Type Code	R	R/W	0:PT-100 $\alpha = 0.00385$ 1:PT-100 $\alpha = 0.003916$ 2:PT-1000 $\alpha = 0.00385$ 3:PT-1000 $\alpha = 0.003916$
40081~40082	0~1 Output Type Code	R	R/W	0:4~20mA 1: 0~20mA
40097~40098	0~1 Current Input Value	R	R	4/0~20:4/0~20mA
40099~40100	2~3 Current Input Value	R	R	-200~+600:-200~+600°C
40113~40114	0~1 Current Input Value	R	R	4/0~20:4/0~20mA
40115~40116	2~3 Current Input Value	R	R	-328~+1112:-328~+1112°F
40129~40130	0~1 Current Input Value	R	R	40/0~200:4.0/0~20.0mA
40131~40132	2~3 Current Input Value	R	R	-2000~+6000:-200.0~+600.0°C
40145~40146	0~1 Current Input Value	R	R	40/0~200:4.0/0~20.0mA
40147~40148	2~3 Current Input Value	R	R	-3280~+11120:-328.0~+1112.0°F
40161~40164	0~3 Current Input Value	R	R	0~10000:0.00~100.00% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0~65535:Disable~65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x18 0x12
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215~40220	1~6 Mac Serial Number	R	R	
40609~40616	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40641~40648	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float CD AB)
40673~40680	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float CD AB)
40705~40712	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float AB CD)
40737~40744	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float AB CD)
40769~40776	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float AB CD)
40801~40808	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float BA DC)
40833~40840	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float BA DC)
40865~40872	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float BA DC)
40897~40904	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float DC BA)
40929~40936	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float DC BA)
40961~40968	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float DC BA)
41281~41408	0~127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535
40500~40503	Ethernet IP	R	R/W	IP:x.x.x.x default : 192.168.1.1
40504~40507	Ethernet MASK	R	R/W	MASK: x.x.x.x default:255.255.255.0
40508~40511	Ethernet GATEWAY	R	R/W	GATEWAY: x.x.x.x Default:192.168.1.1
40512	Ethernet MODBUS ID	R	R/W	INIT*: 0 ,NOR:1~255
40513	Ethernet LOCAL PORT	R	R/W	1~65535 Default :502
40514	Ethernet REMOTE PORT	R	R/W	1~65535 Default:2000
40515	Ethernet DHCP Enable	R	R/W	0:ENABLE(default) 1:DISABLE
40516	Ethernet PROTOCOL	R	R/W	0:Modbus TCP/IP(default) 1:Modbus UDP/IP 2:Modbus RTU Over TCP/IP 3:Modbus RTU Over UDP/IP
40518~40523	MAC ADDRESS	R	R	EX: 00-05-5D-E8-0F-A3

For more information, please refer to
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Address Mapping

Remote Modules

Remote Modules

Mapping Table

A-1819				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00065~00072	0~7 Burn-out Signal	R	R	1: Burn-out
000128~01152	0~1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001~40008	0~7 Current Input Value	R	R	0~20000:0~20mA/4~20mA 0~19000:-100~+1800°C
40065~40072	0~7 Input Type Code	R	R/W	0: 4~20mA 1: 0~20mA 2: J(0~760°C) 3: K(0~1,370°C) 4: T(-100~400°C) 5: E(0~1,000°C) 6: R(500~1,750°C) 7: S(500~1,750°C) 8: B(500~1,800°C) 9: 2.252K Thermistor(-30~+100°C) 10: 3K Thermistor(-20~+100°C) 11: 10K Thermistor(0~+100°C)
40097~400104	0~7 Current Input Value	R	R	4/0~20:4/0~20mA -100~+1800:-100~+1800°C
40113~40120	0~7 Current Input Value	R	R	4/0~20:4/0~20mA -148~+3272:-148~+3272°F
40129~40136	0~7 Current Input Value	R	R	40/0~200:4.0/0~20.0mA -1000~+18000:-100.0~+1800.0°C
40145~40152	0~7 Current Input Value	R	R	40/0~200:4.0/0~20.0mA -1480~+32720:-148.0~+3272.0°F
40161~40168	0~7 Current Input Value	R	R	0~10000:0.00~100.00% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0~65535:Disable~65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x18 0x19
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215~40220	1~6 Mac Serial Number	R	R	
40609~40624	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40641~40656	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float CD AB)
40673~40688	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float CD AB)
40705~40720	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float AB CD)
40737~40752	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float AB CD)
40769~40784	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float AB CD)
40801~40816	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float BA DC)
40833~40848	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float BA DC)
40865~40880	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float BA DC)
40897~40912	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float DC BA)
40929~40944	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float DC BA)
40961~40976	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float DC BA)
41281~41408	0~127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535
40500~40503	Ethernet IP	R	R/W	IP:x.x.x.x default:192.168.1.1
40504~40507	Ethernet MASK	R	R/W	MASK: x.x.x.x default:255.255.255.0
40508~40511	Ethernet GATEWAY	R	R/W	GATEWAY: x.x.x.x Default:192.168.1.1
40512	Ethernet MODBUS ID	R	R/W	INIT*: 0 ,NOR:1~255
40513	Ethernet LOCAL PORT	R	R/W	1~65535 Default:502
40514	Ethernet REMOTE PORT	R	R/W	1~65535 Default:2000
40515	Ethernet DHCP Enable	R	R/W	0:ENABLE(default) 1:DISABLE
40516	Ethernet PROTOCOL	R	R/W	0:Modbus TCP/IP(default) 1:Modbus UDP/IP 2:Modbus RTU Over TCP/IP 3:Modbus RTU Over UDP/IP
40518~40523	MAC ADDRESS	R	R	EX: 00-05-5D-E8-0F-A3

For more information, please refer to
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Address Mapping

Remote Modules

Remote Modules

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Mapping Table

A-1851/A-1855/A-1860				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00016	0~15 DI Input Signal	R	R	
00017~00032	0~15 DO Output Value	R/W	R/W	
00033~00048	0~15 Power On Digital Output Value	R	R/W	
00049~00064	0~15 Communication Fail Safe Value	R	R/W	
000128~01152	0~1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40177	Communication Fail Safe Time Setting Value	R	R/W	0~65535:Disable~65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x18 0x60
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215~40220	1~6Mac Serial Number	R	R	
41281~41408	0~127Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535
40500~40503	Ethernet IP	R	R/W	IP:x.x.x.x default : 192.168.1.1
40504~40507	Ethernet MASK	R	R/W	MASK: x.x.x.x default:255.255.255.0
40508~40511	Ethernet GATEWAY	R	R/W	GATEWAY: x.x.x.x Default:192.168.1.1
40512	Ethernet MODBUS ID	R	R/W	INIT*: 0 ,NOR:1~255
40513	Ethernet LOCAL PORT	R	R/W	1~65535 Default :502
40514	Ethernet REMOTE PORT	R	R/W	1~65535 Default:2000
40515	Ethernet DHCP Enable	R	R/W	0:ENABLE(default) 1:DISABLE
40516	Ethernet PROTOCOL	R	R/W	0:Modbus TCP/IP(default) 1:Modbus UDP/IP 2:Modbus RTU Over TCP/IP 3:Modbus RTU Over UDP/IP
40518~40523	MAC ADDRESS	R	R	EX: 00-05-5D-E8-0F-A3

For more information, please refer to
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Address Mapping

Remote Modules

Remote Modules

Mapping Table

A-1012				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00002	0~1 DI Input Signal	R	R	
00017~00018	0~1 DO Output Value	R/W	R/W	
00033~34	0~1 Power On Digital Output Value	R	R/W	
00049~50	0~1 Communication Fail Safe Value	R	R/W	
00065~00066	0~1 Burn-out Signal	R	R	1: Burn-out (4~20mA only)
00067~00068	2~3 Burn-out Signal	R	R	1: Burn-out
000128~01152	0~1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001~40002	0~1 Current Input Value	R	R	0~20000:0/4~20mA
40003~40004	2~3 Current Input Value	R	R	0~8000:-200~+600°C
40017~40018	0~1 Current Output Value	R/W	R/W	0~4000:0/4~20mA
40033~40034	Power On Analog Output Value AOO	R	R/W	0~4000:0/4~20mA
40049~40050	0~1 Communication Fail Safe Analog Output Value	R	R/W	0~4000:0/4~20mA
40065~40066	0~1 Input Type Code	R	R/W	0:4~20mA 1:0~20mA
40067~40068	2~3 Input Type Code	R	R/W	0:PT-100 $\alpha = 0.00385$ 1:PT-100 $\alpha = 0.003916$ 2:PT-1000 $\alpha = 0.00385$ 3:PT-1000 $\alpha = 0.003916$
40081~40082	0~1 Output Type Code	R	R/W	0:4~20mA 1:0~20mA
40097~40098	0~1 Current Input Value	R	R	4/0~20:4/0~20mA
40099~40100	2~3 Current Input Value	R	R	-200~+600:-200~+600°C
40113~40114	0~1 Current Input Value	R	R	4/0~20:4/0~20mA
40115~40116	2~3 Current Input Value	R	R	-328~+1112:-328~+1112°F
40129~40130	0~1 Current Input Value	R	R	40/0~200:4.0/0~20.0mA
40131~40132	2~3 Current Input Value	R	R	-2000~+6000:-200.0~+600.0°C
40145~40146	0~1 Current Input Value	R	R	40/0~200:4.0/0~20.0mA
40147~40148	2~3 Current Input Value	R	R	-3280~+11120:-328.0~+1112.0°F
40161~40164	0~3 Current Input Value	R	R	0~10000:0.00~100.00% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0~65535:Disable~65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x10 0x12
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215~40220	1~6 Mac Serial Number	R	R	
40300	Module's ID in normal mode	R	R/W	1~255
40301	Protocol in normal mode	R	R/W	0: RTU 1: ASCII
40302	Baud rate in normal mode	R	R/W	1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps 10 : 230400 bps 11 : 460800 bps 12 : 921600 bps
40303	Parity option in normal mode	R	R/W	0 : None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit
40305	Time Out Setting in normal mode	R	R/W	0~65535 msec
40609~40616	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40641~40648	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float CD AB)
40673~40680	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float CD AB)
40705~40712	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float AB CD)
40737~40744	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float AB CD)
40769~40776	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float AB CD)
40801~40808	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float BA DC)
40833~40840	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float BA DC)
40865~40872	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float BA DC)
40897~40904	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float DC BA)
40929~40936	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float DC BA)
40961~40968	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float DC BA)
41281~41408	0~127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535

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Address Mapping

Remote Modules

Remote Modules

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Mapping Table

A-1019				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00004	0~3 DI Input Signal	R	R	
00065~00072	0~7 Burn-out Signal	R	R	1: Burn-out
000128~01152	0~1023 Auxiliary Memory (M Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001~40008	0~7 Current Input Value	R	R	0~20000:0~20mA/4~20mA 0~19000:-100~+1800°C
40065~40072	0~7 Input Type Code	R	R/W	0: 4~20mA 1: 0~20mA 2: J(0~760°C) 3: K(0~1,370°C) 4: T(-100~400°C) 5: E(0~1,000°C) 6: R(500~1,750°C) 7: S(500~1,750°C) 8: B(500~1,800°C) 9: 2.252K Thermistor(-30~+100°C) 10: 3K Thermistor(-20~+100°C) 11: 10K Thermistor(0~+100°C)
40097~400104	0~7 Current Input Value	R	R	4/0~20:4/0~20mA -100~+1800:-100~+1800°C
40113~40120	0~7 Current Input Value	R	R	4/0~20:4/0~20mA -148~+3272:-148~+3272°F
40129~40136	0~7 Current Input Value	R	R	40/0~200:4.0/0~20.0mA -1000~+18000:-100.0~+1800.0°C
40145~40152	0~7 Current Input Value	R	R	40/0~200:4.0/0~20.0mA -1480~+32720:-148.0~+3272.0°F
40161~40168	0~7 Current Input Value	R	R	0~10000:0.00~100.00% of FSR
40177	Communication Fail Safe Time Setting Value	R	R/W	0~65535:Disable~65535msec
40178	All DI Value	R	R	
40211	Module Name 1	R	R	0x10 0x19
40212	Module Name 2	R	R	
40213	Version 1	R	R	0x01 0x12
40214	Version 2	R	R	
40215~40220	1~6 Mac Serial Number	R	R	
40300	Module's ID in normal mode	R	R/W	1~255
40301	Protocol in normal mode	R	R/W	0: RTU 1: ASCII
40302	Baud rate in normal mode	R	R/W	1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps 10 : 230400 bps 11 : 460800 bps 12 : 921600 bps
40303	Parity option in normal mode	R	R/W	0 : None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit
40305	Time Out Setting in normal mode	R	R/W	0~65535 msec
40609~40624	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754)(Float CD AB)
40641~40656	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754)(Float CD AB)
40673~40688	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754)(Float CD AB)
40705~40720	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float AB CD)
40737~40752	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float AB CD)
40769~40784	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float AB CD)
40801~40816	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float BA DC)
40833~40848	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float BA DC)
40865~40880	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float BA DC)
40897~40912	0~3 Current Input Value	R	R	32-bit Floating Value (IEEE754) (Float DC BA)
40929~40944	0~3 Current Input Value	R	R	32-bit Deg.C Floating Value (IEEE754) (Float DC BA)
40961~40976	0~3 Current Input Value	R	R	32-bit Deg.F Floating Value (IEEE754) (Float DC BA)
41281~41408	0~127 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535

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Address Mapping

Remote Modules

Remote Modules

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Mapping Table

A-1057/1058/1068/1069/1051/1055/1055S/1060				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00016	0~15 DI Input Value	R	R	
00017~00032	0~15 Digital Output Value	R/W	R/W	
00033~00048	0~15 Power On Digital Output Value	R	R/W	
00049~00064	0~15 Communication Fail Safe Value	R	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40065	Communication Fail Safe Time Setting Value	R	R/W	0~65535: 0.0~6553.5 sec
40211	Module Name 1	R	R	
40212	Module Name 2	R	R	
40213	Soft Version 1	R	R	
40214	Soft Version 2	R	R	
40215	Communication Safety Enabled	R	R	
40216	Communication Safety Flag	R	R	
40300	Module's ID in normal mode	R	R/W	1~255
40301	Protocol in normal mode	R	R/W	0 : RTU 1 : ASCII
40302	Baud rate in normal mode	R	R/W	0 : 1200 bps 1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps
40303	Parity option in normal mode	R	R/W	0 : None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit

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www.yottacontrol.com

Address Mapping

Remote Modules

Remote Modules

Mapping Table

A-1010				
Supported Modbus Code: 01/02/05/15				
Address 0X	Item	NOR	INIT*	NOTE
00001~00008	0~7 DI Input Signal	R	R	
00017~00020	0~3 Digital Output Value	R/W	R/W	
00033~00036	0~3 Power On Digital Output Value	R	R/W	
00049~00052	0~3 Communication Fail Safe Value	R	R/W	
04097~06144	0~2047 Auxiliary Memory (M Flag)	R/W	R/W	
06145~06400	0~255 Retentivity Auxiliary Memory (KM Flag)	R/W	R/W	
Supported Modbus Code: 03/04/06/16				
Address 4X	Item	NOR	INIT*	NOTE
40001~40008	0~7 Analog Input Value	R	R	0~1000:0~10V
40017~40018	0~1 Analog Output Value	R/W	R/W	0~1000:0~10V
40033~40034	0~1 Power On Analog Output Value	R	R/W	0~1000:0~10V
40049~40050	0~1 Communication Fail Safe Analog Output Value	R	R/W	0~1000:0~10V
40065	Communication Fail Safe Time Setting Value	R	R/W	0~65535: 0.0~65535.5 sec
40211	Module Name 1	R	R	
40212	Module Name 2	R	R	
40213	Soft Version 1	R	R	
40214	Soft Version 2	R	R	
40215	Communication Safety Enabled	R	R	
40216	Communication Safety Flag	R	R	
40217~40222	1~6 Mac Serial Number	R	R	
40223	Mac internal temperature (°C)	R	R	
40224	History Temperature_min (°C)	R	R	
40225	History Temperature_max (°C)	R	R	
40300	Module's ID in normal mode	R	R/W	1~255
40301	Protocol in normal mode	R	R/W	0 : RTU 1 : ASCII
40302	Baud rate in normal mode	R	R/W	1 : 2400 bps 2 : 4800 bps 3 : 9600 bps 4 : 14400 bps 5 : 19200 bps 6 : 28800 bps 7 : 38400 bps 8 : 57600 bps 9 : 115200 bps 10 : 230400 bps 11 : 460800 bps 12 : 921600 bps
40303	Parity option in normal mode	R	R/W	0 : None 1 : Odd 2 : Even
40304	Stop bits in normal mode	R	R/W	0 : 1 bit 1 : 2 bit
40305	Normal Mode Time Out Setting	R	R/W	0~65535:0 ~ 65535 msec
40409~40416	0~7 Input Signal Count Value (16-BIT)	R/W	R/W	0~0xFFFF
40425~40439	0~7 Input Signal Count Value (32-BIT)	R/W	R/W	0~0xFFFFFFFF
40457~40485	0~7 Input Signal Count Value (64-BIT)	R/W	R/W	0~0xFFFFFFFFFFFFFFFF
40521~40528	0~7 Analog Input hi-lo level Value	R	R/W	0~1000:(ex:350 = 3.5V), default =350
44001~46048	0~2047 Analog Auxiliary Memory (AM Flag)	R/W	R/W	0~65535
46049~46112	0~63 Retentivity Analog Auxiliary Memory (KAM Flag)	R/W	R/W	0~65535

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