

A-51 Series PLC Controller

- Creation of control programs in Function Block Diagram (FBD) or Ladder Diagram (LAD)
- 4-Axis Synchronous Motion, 100 KHz PWM (Total 400KHz)
- Able To Edit The Parameter Among The Controller Operation
- Multiple AUTO-PI Synchronous Function
- Multi - Language Display Menu
- Enhance Password & Safety Function
- Text Display Can Be Pre-Programmed in Two Languages
- Built-in Standard High Frequency Counter (250KHz per Input, Total 1000KHz)
- Built-in Standard Real Time Clock (RTC)
- PC Program Can be Used For All A-61/52/62 Series
- ATP2 Text Panel Can Plug & Play Directly
- Built-in Standard RS-485 Port, Connect More Than 10000 I/Os Via Remote IO Module
- Memory Card Which Has Copy & Password Protection
- Connect Encoder & Multi-Sensors Directly
- Built-in Step Motor Driver, Connect Directly
- Built-in Datalog Function, MicroSD Plug-in
- Display Text Display Diversity Patterns, Scrolling Text, Bar Charts, Indicators
- 104 FBD Integrated Functions, 97 LD Integrated Functions
- Astronomical Clock Function
- ATP2 Text Panel Built-in Function Key
- Digital Oscilloscope Function, Real-Time Monitoring
- High-Level Math Functions
- Communication Protocol MODBUS RTU/ASCII & Multi Format
- Block Name Define, Program Comment
- Communication Baud Rate 921600 bps
- Custom Truth Table, Without Logical Analysis
- Multi Communication Parameter Function
- Quick Calculation Of Nonlinear Equations
- Random Generator Hardware
- Free PC software “Edit ” + “Utility ”
- Output Over Current Protection (OCP)
- Output Over Thermal Protection (OTP)
- Output Under Voltage Lockout (UVLO)
- Independent Communication Port which can communicate with 255 units MODBUS devices synchronized
- Built-in Current/Voltage/PT-100 Input + Current Output



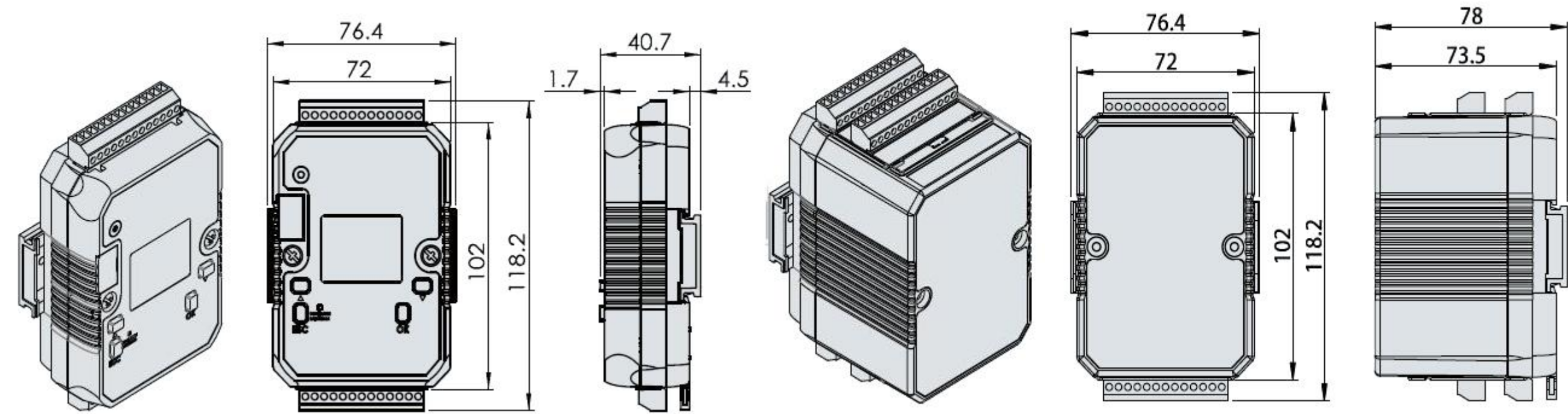
A-5191



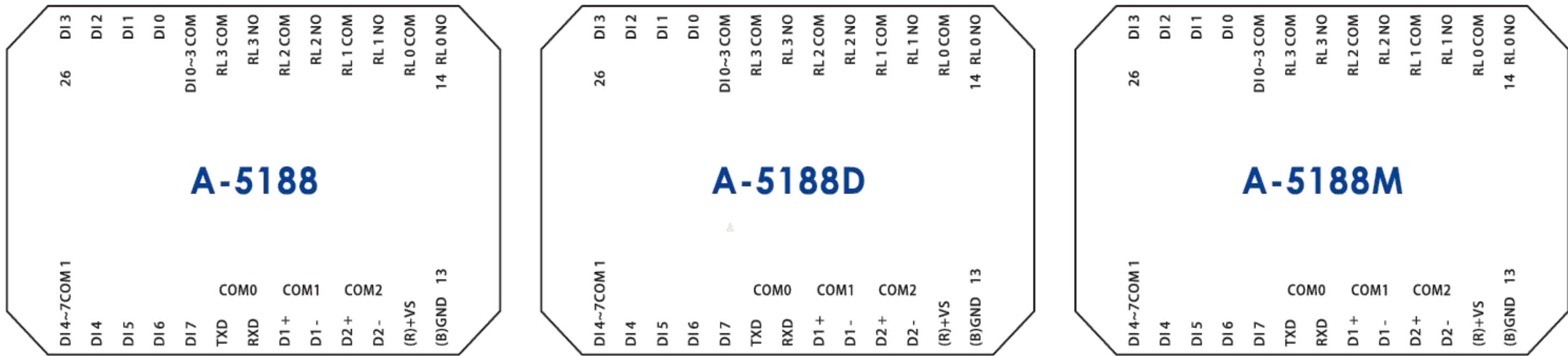
A-5189D

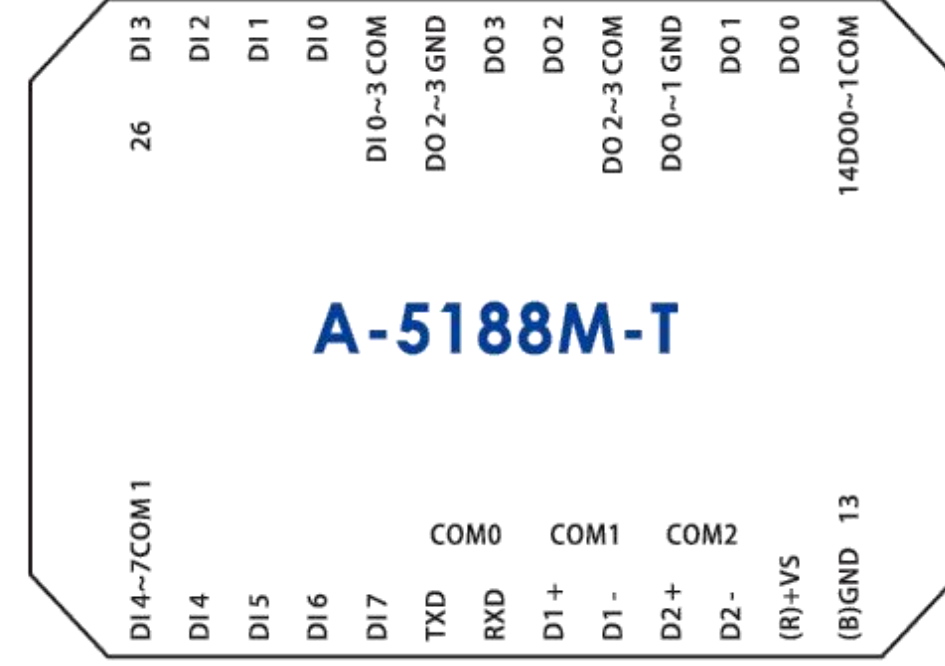
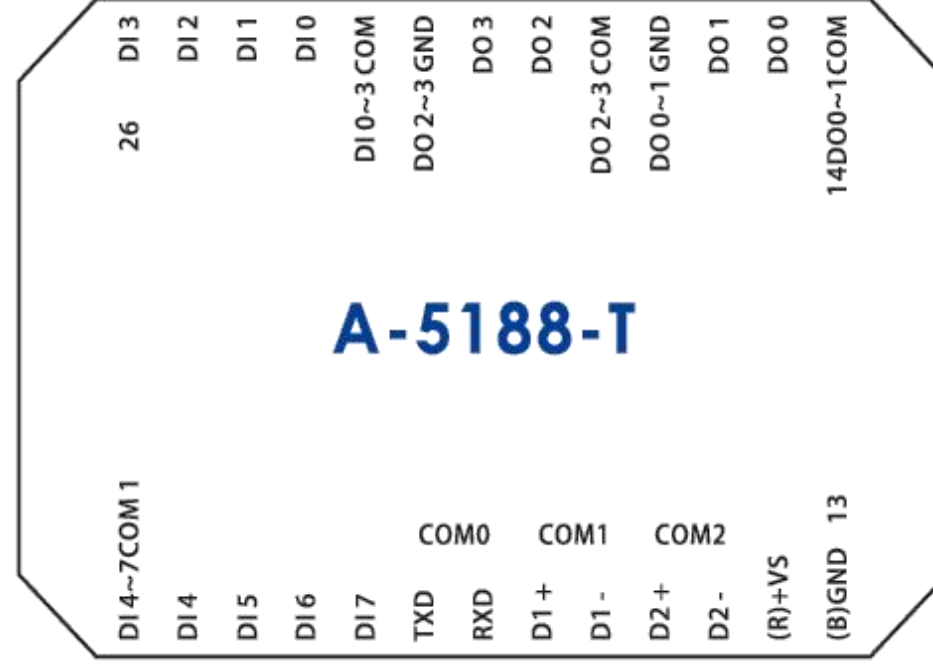
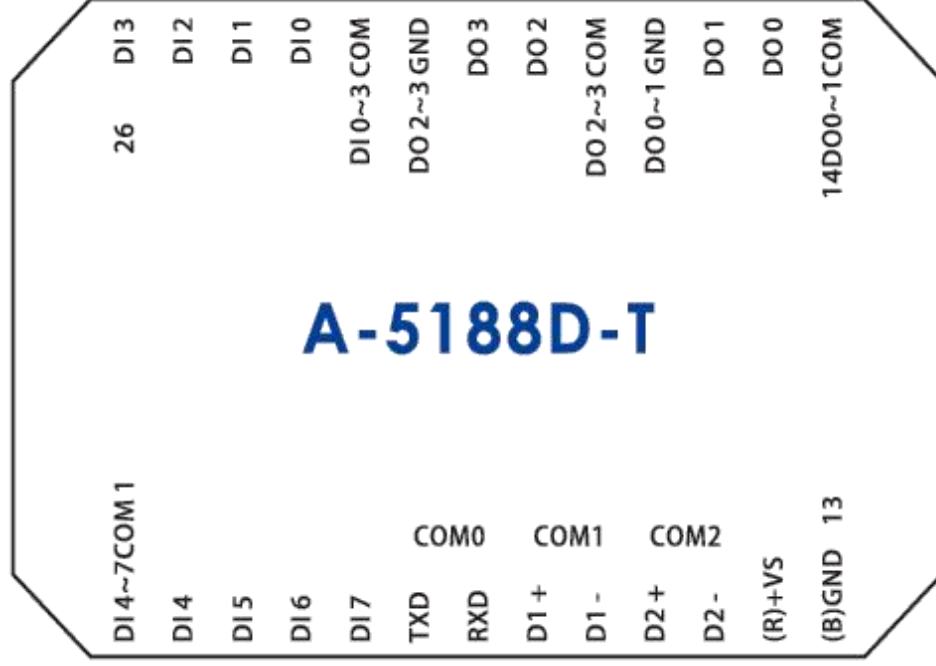
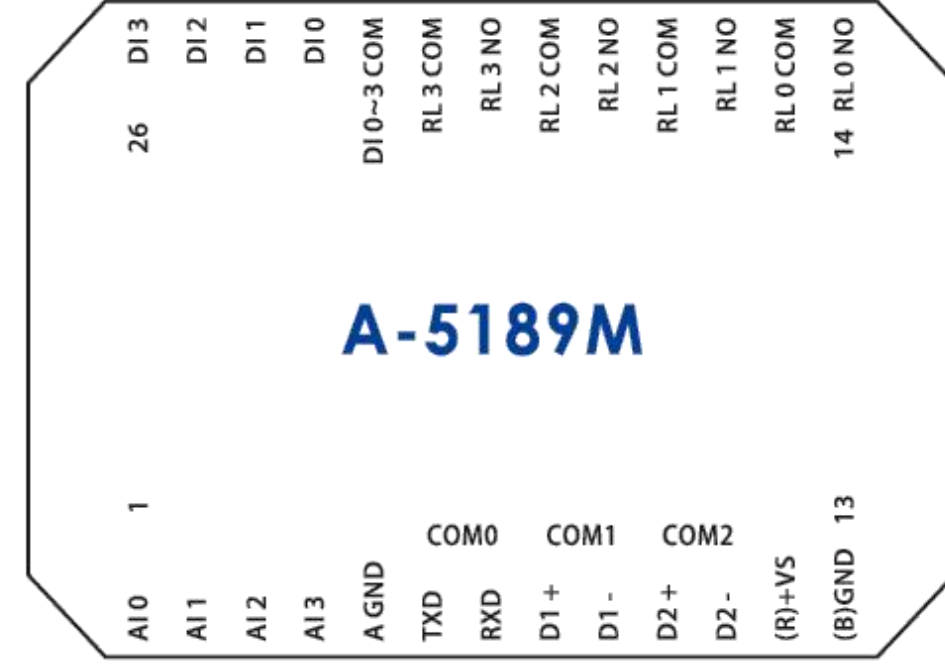
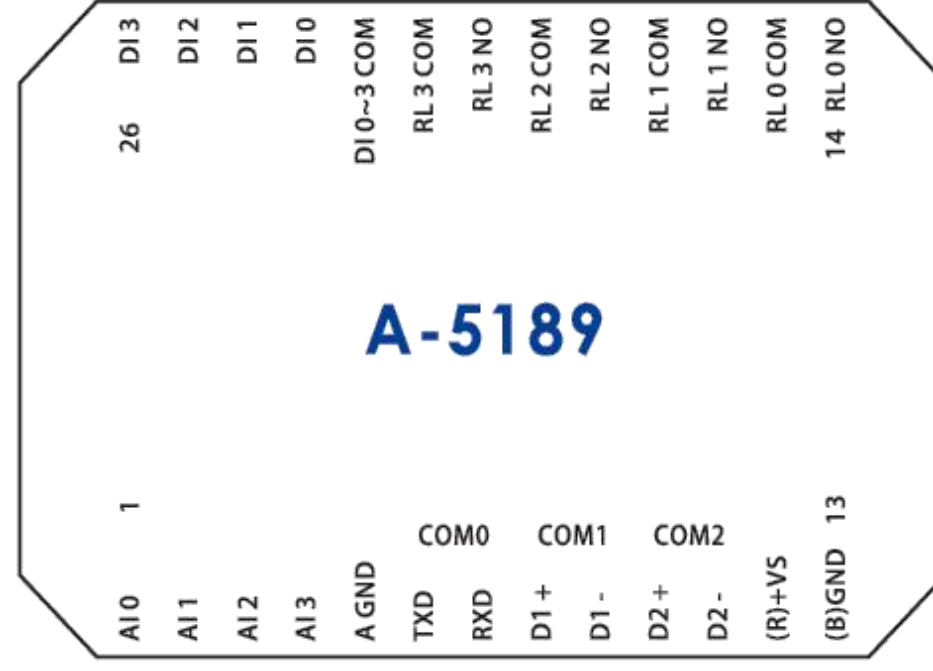
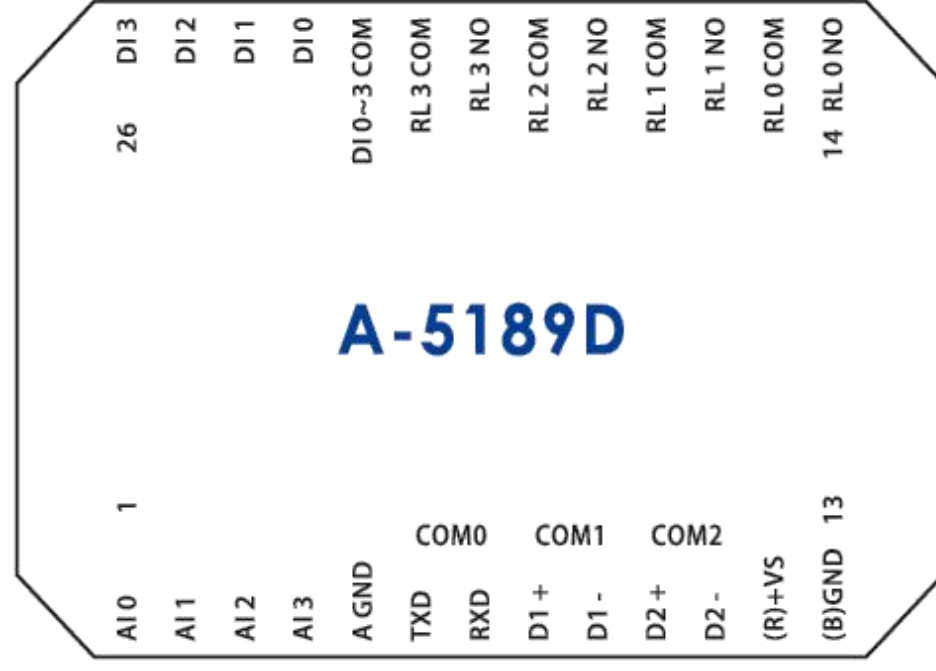
Part No.	A-5188/A-5188D/ A-5188M		A-5190D/A-5190		A-5188D-T A-5188-T A-5188M-T		A-5189D A-5189 A-5189M		A-5189D-T A-5189-T A-5189M-T		A-5191	
Operation Voltage	10 ~ 30VDC/24VAC		10 ~ 30VDC/24VAC		10 ~ 30VDC/24VAC		10 ~ 30VDC/24VAC		10 ~ 30VDC/24VAC		10 ~ 30VDC/24VAC	
Inputs	8* DI	Status Low: <2VDC	2 *DI	Status Low: <2VDC	8* DI	Status Low: <2VDC	4 *DI	Status Low: <2VDC	4 *DI	Status Low: <2VDC	16 *DI	Status Low: <2VDC
				Status High: >4~30VDC				Status High: >4~30VDC		Status High: >4~30VDC		
		Status High: >4~30VDC	4*AI	2*0/4-20mA		Status High: >4~30VDC	4*AI(0 - 10VDC)	4*AI(0 - 10VDC)		4*AI(0 - 10VDC)		
				2*PT100/1000(-50~+200℃ /Resolution 0.25℃)								
Outputs	4 * Relay		2*Transistor		4 * Transistor		4 * Relay		4 * Transistor		10 * Relay	
			2*Current (0/4-20mA)									
Continuous Current	Relay		With Resistive Load: 5A, With Inductive Load: 2A									
	Transistor		10-60VDC /1.75A(OCP/OTP/UVLO)									
Isolation	YES (5000VDC)											
Input Operating Frequency	250KHz (DI0-DI3)											
Output Operating Frequency	Relay		30Hz									
	Transistor		100KHz									
RTC/ Hold During Power Off	YES											
Communication Interface	USB * 1 & RS-485 * 2 & RS-232 * 1 (A-5190/A-5190D only have USB * 1 & RS-485 * 1)											
Communication Baud Rate	1200 ~ 921600bps											
Protocol	MODBUS RTU / MODBUS ASCII											
Data Bits	8 Bits											
Parity	Odd Parity / Even Parity / None											
Stop Bit	1/2 Bit											
Base Controller IOs	12 IOs										30 IOs	
Operation Temperature	-20 to +75℃											
Degree Of Protection	IP20											
Installation	35 mm DIN rail / Flush mounting											
Dimension (W×H×D)	76.4*118.2*40.7 mm										76.4*118.2*78 mm	

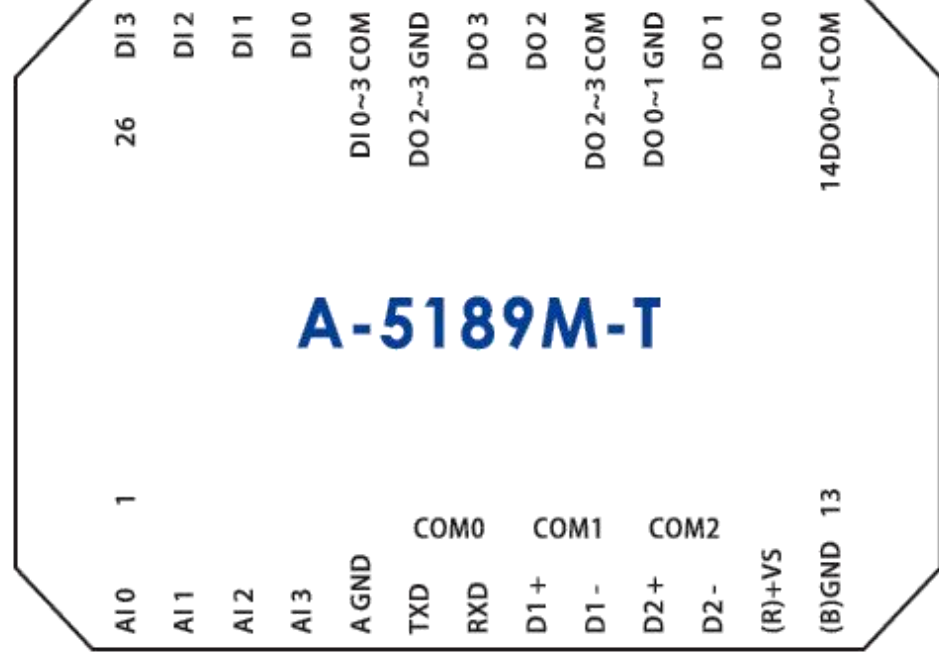
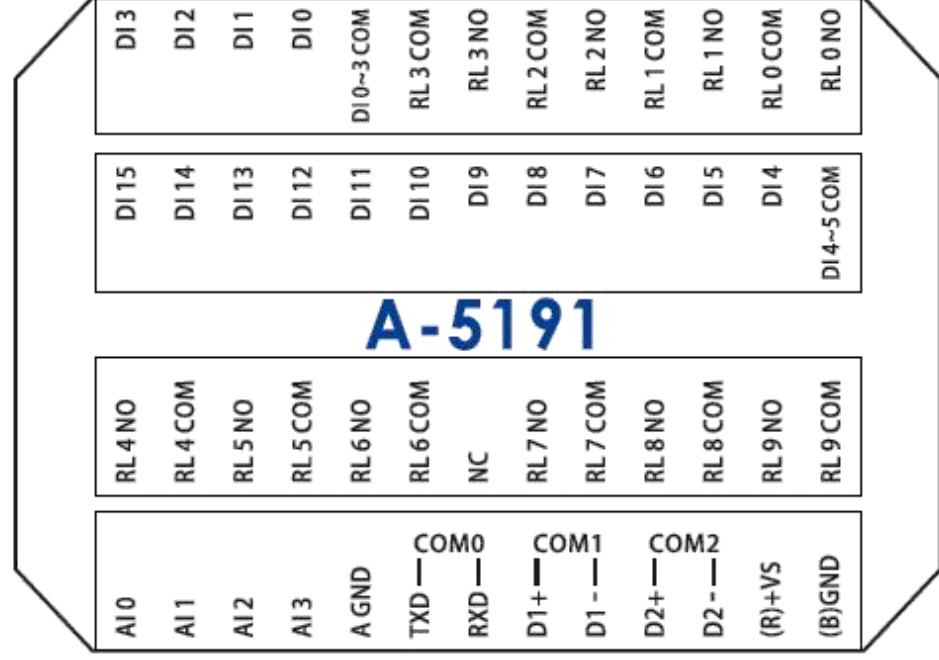
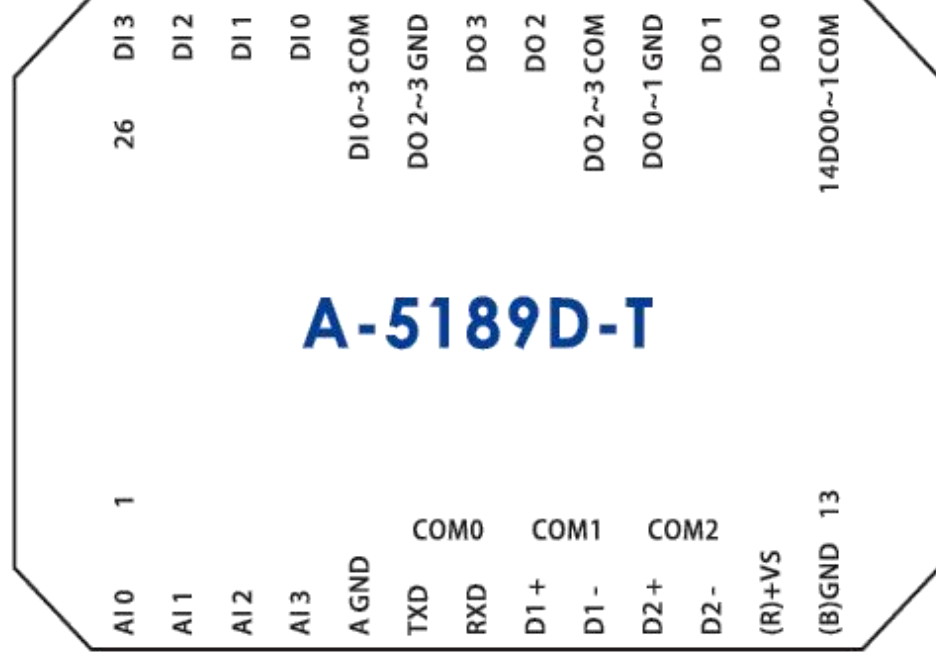
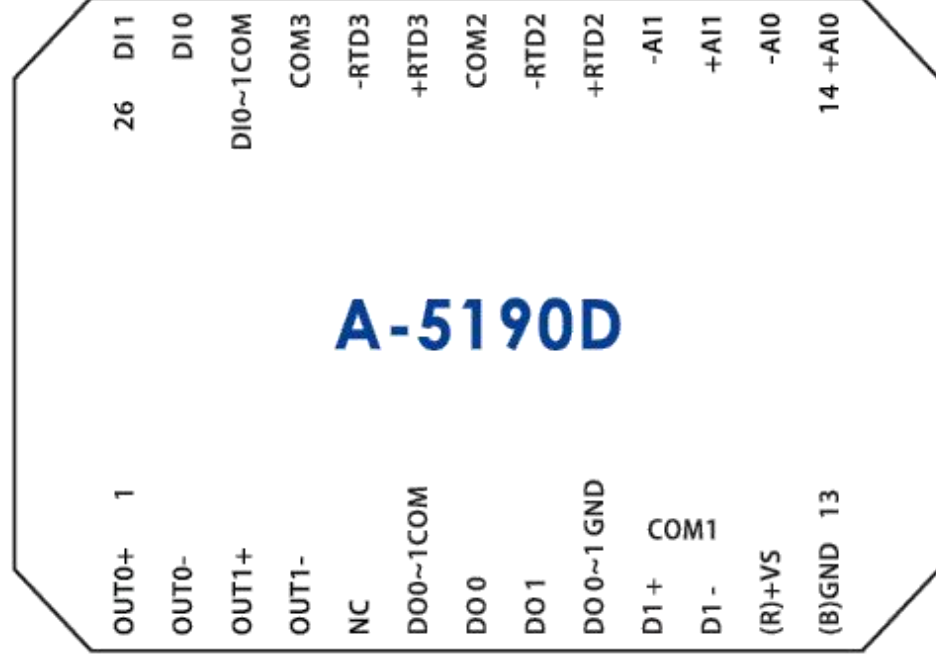
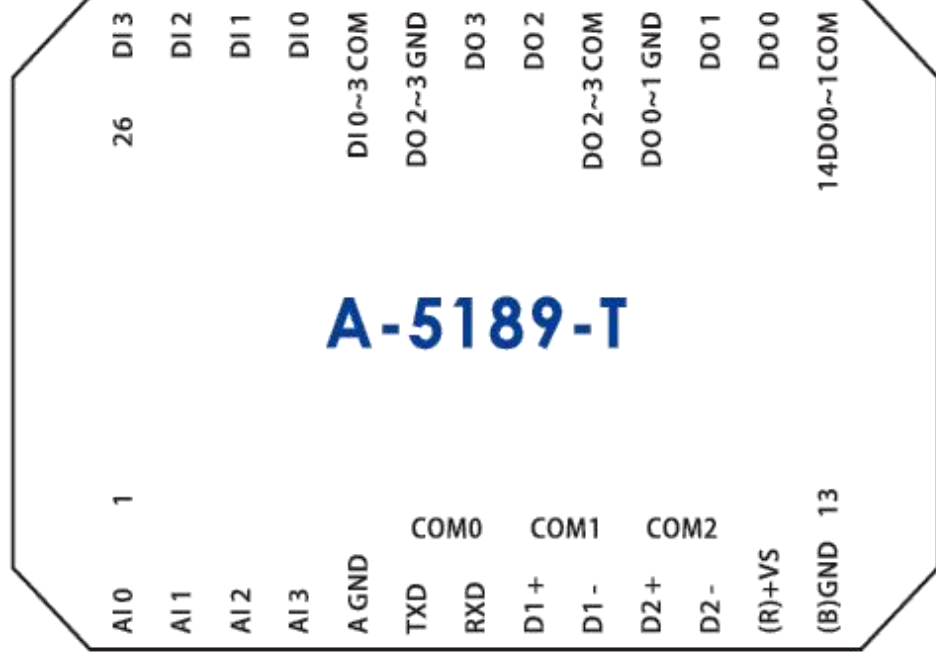
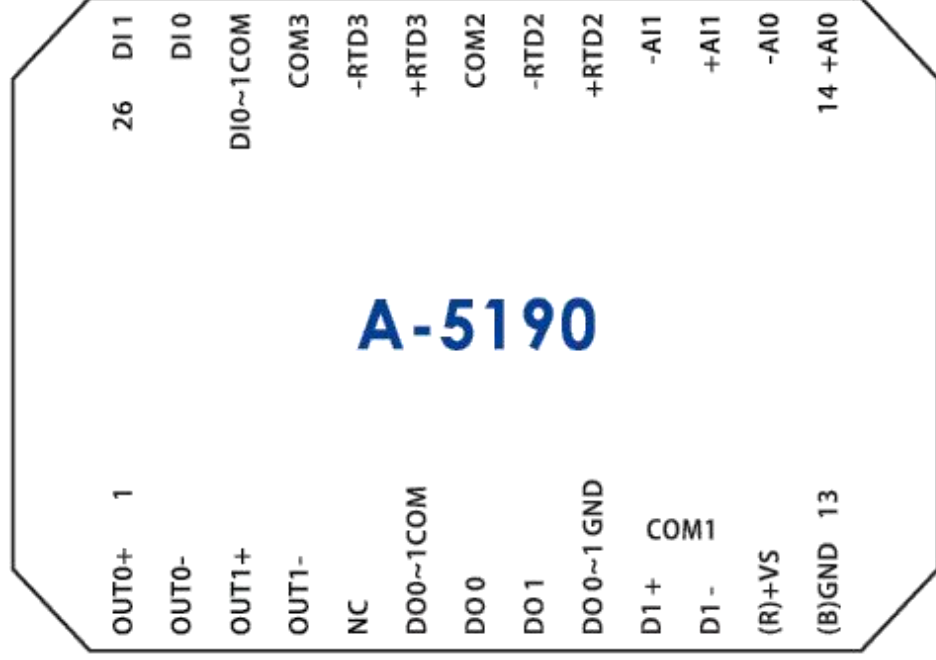
■ Dimension:



■ Pin Out

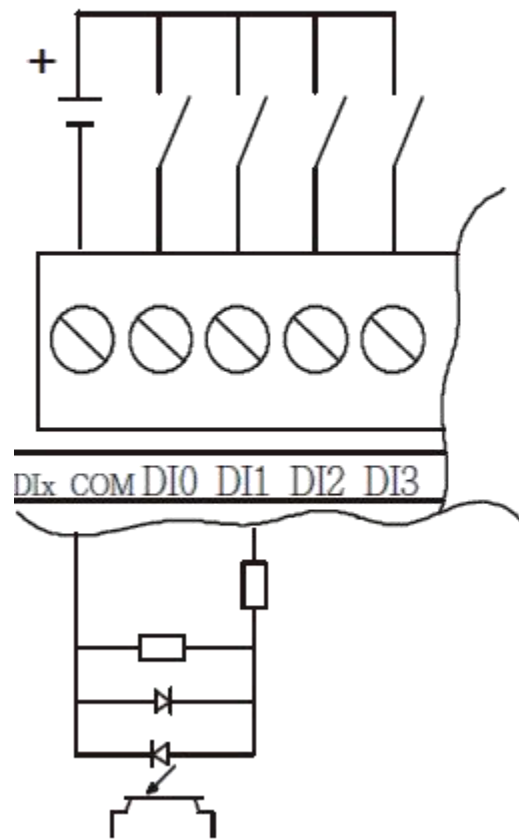




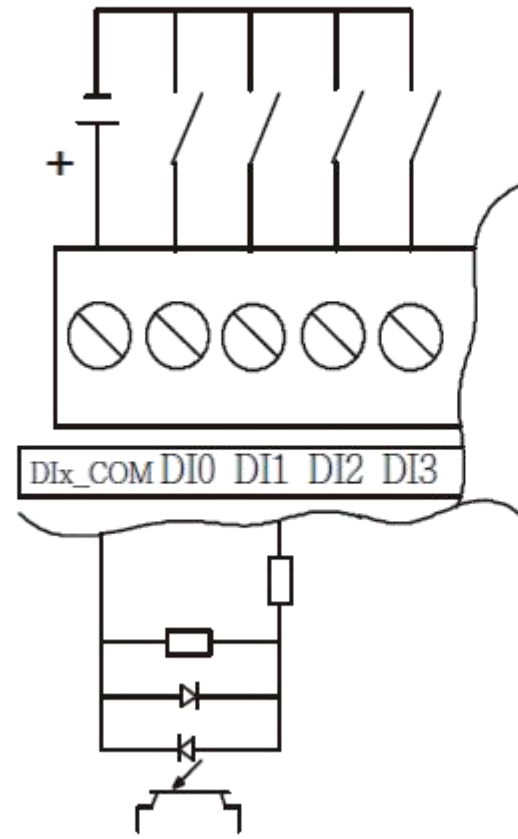


■ Wiring Diagrams:

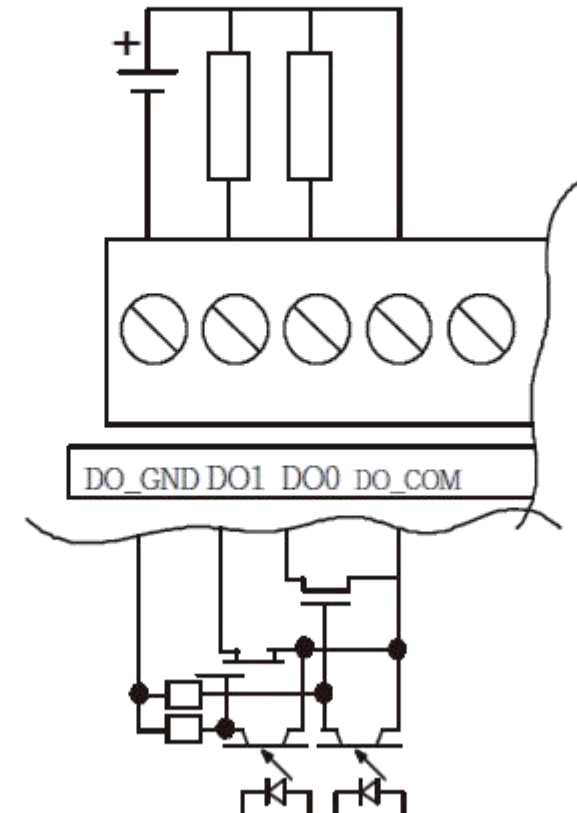
PNP Input



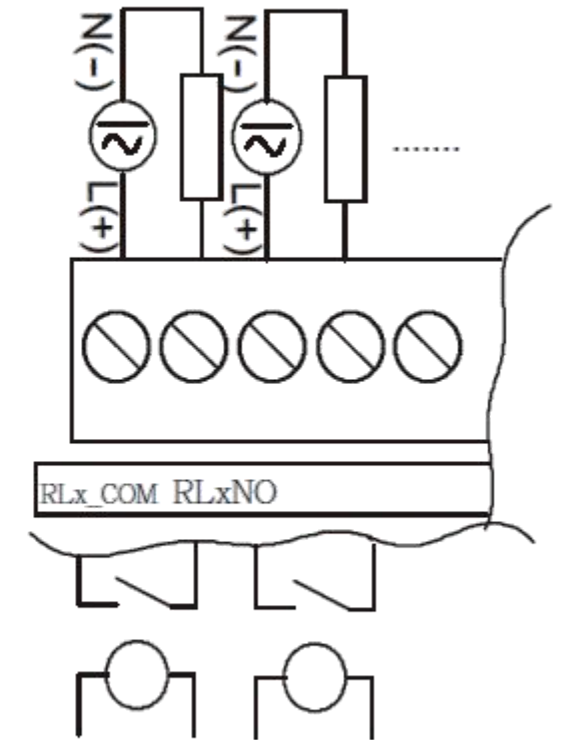
NPN Input



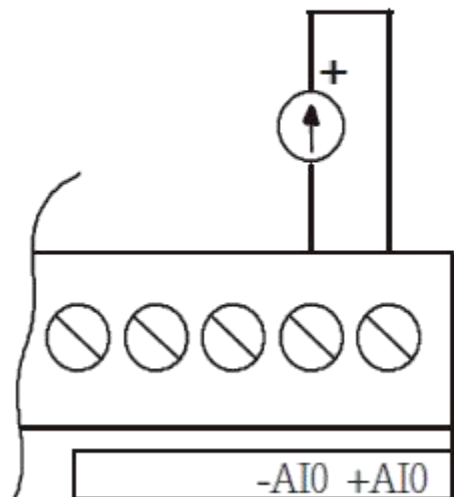
5188x-T/5189x-T Output



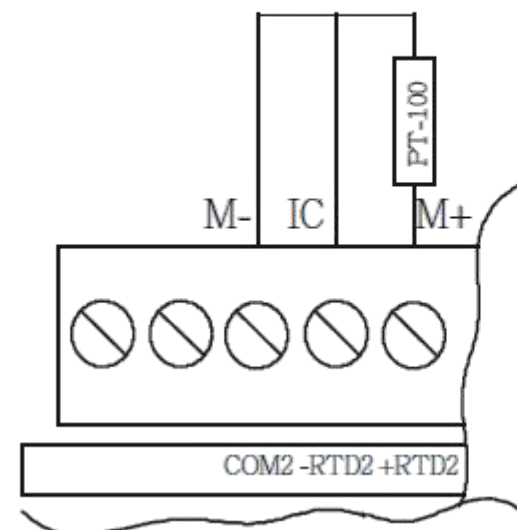
Relay Output



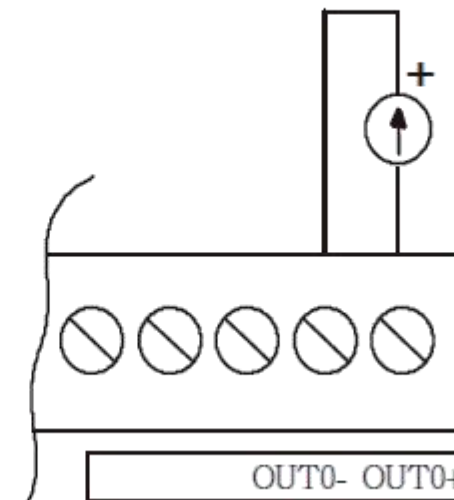
Current Input



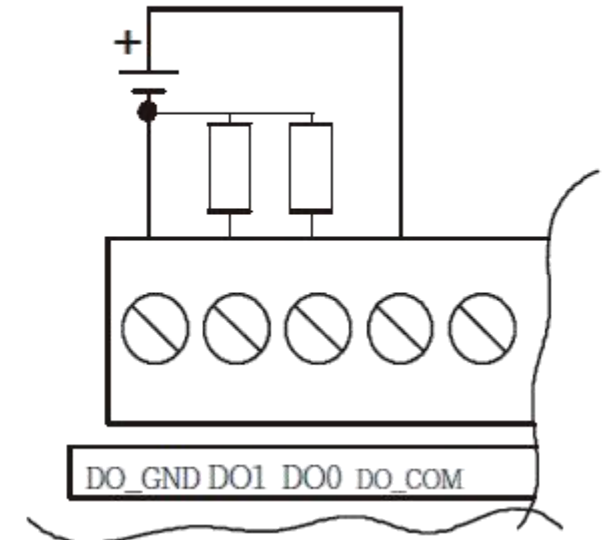
PT-100 Input



Current Output



5190D/5190 Output



[Contact us](#)

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NOTES: ATC company has been move to Foshan on March 29, 2019

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