AX1S-10/14MR/MT

AX1S-20MR/MT

AX1S-30MR/MT

Product Introduction

- The controllers of the AX1S series deliver outstanding functionality with up to 30 inputs and outputs in a very compact package.
- The AX1S is ideal for applications in difficult-to-access installations and systems where normal servicing is not possible.
- The integrated real-time clock and maintenance-free EEPROM with capacity for up to 2,000 program steps make the AX1S an autonomous and very service-friendly system.

Performance & Specifications

Fully Compatible with Mitsubishi FX1S Series PLCs

Items		AX1S
Power Input & Output	Power Specification	AC: AC100V-240V DC: DC24V
	Input Specification	DC24V 7mA/5mA No voltage contact on NPN open collector transistor input
	Output Specification	Relay output: 2A/1 point、8A/4 points COM AC250V, DA30V Transistor output: 0.5A/1 point、0.8A/4 points COM DC5V-DC30V
	Input & Output Expansion Special Expansion	A bit points or analog input & output can be expanded by the installation of the function expansion board
Operation Control Method		Storage program circle operation with interruption instruction
Input & Output Control Method		Annexation processing method(in execution of END command),with input & output refreshment instruction and impulse catching function
Program Language		Relay sign method＋Step ladder diagram method
Program Capacity	Built-in Memory Capacity	2000 steps EEPROM(no battery back-up),with code protection function ※Note and file register included,up to 2000 steps
	Storage Box	EEPROM 2000 steps
	Write-in Function in Operation	Changeable program in the operation of PLC
RTC	Clock Function	Built-in 1980～2079(leap year compensation)the gregorian calendar 2 byte/4 byte shift,±45 seconds(25℃) month inaccuracy
Instruction	Sequential Control Program Step Ladder Table	Sequential control program instruction: 27 Step ladder table instruction: 2
	Application Instruction	85
Instruction Speed	Basic Instruction	0.55～0.7μs/instruction
	Application Instruction	3.7～hundreds of μs/instruction
Input & Output Points	Input Points	X000～X017 16 points(octal number) inexpansible
	Output Points	X000～X015 14 points(octal number) inexpansible
High Speed Counter	32 Byte Bi-directional EEPROM	C235～C255(single phase) 60kHz/2 points, 10kHz/4 points(2 phases) 30kHz/1 point, 5kHz/1 point
High Speed Impulse	Impulse Output	(T: transistor) Y0,Y1,2 axises,each up to 100KHz
Others	Analog Potentiometer	Built-in 2 points、8 points can by expanded through AX1N-8AV-BD function expansion board
	Function Expansion Board	AX1N-□□□-BD function expansion board can be installed
	Corresponding Communication & Link	RS-232C、RS485、RS422、N:N network、parallel link 、computer link

Order Model

AX1S—○○M□—□

Name ① Main Unit ② ③

① Input & Output Total Points : refer to the selection guide
② Output Method : R=Relay Output(with contacts,for AC & DC load)
T=Transistor Output(no contacts,for DC load)
③ Power Type : 001=AC power type, D=DC power type

Order No.	Total Points	Power	Input	Input Form	Output	Output Form	Shape & Size	Weight	Remarks
AX1S-10MR-001	10	AC100..240V	6	DC24V	4	Relay	60x90x75mm	0.30Kg	
AX1S-10MT-001						Transistor			
AX1S-14MR-001	14		8		6	Relay			
AX1S-14MT-001						Transistor			
AX1S-20MR-001	20		12		8	Relay	75x90x75mm	0.40Kg	
AX1S-20MT-001						Transistor			
AX1S-30MR-001	30		16		14	Relay	100x90x75mm	0.45Kg	
AX1S-30MT-001						Transistor			
AX1S-10MR-D	10	DC24V	6	DC24V	4	Relay	60x90x75mm	0.22Kg	
AX1S-10MT-D						Transistor			
AX1S-14MR-D	14		8		6	Relay			
AX1S-14MT-D						Transistor			
AX1S-20MR-D	20		12		8	Relay	75x90x75mm	0.40Kg	
AX1S-20MT-D						Transistor			
AX1S-30MR-D	30		16		14	Relay	100x90x75mm	0.45Kg	
AX1S-30MT-D						Transistor			

★ You can choose certain points, input & output specifications and power specifications for the model that the customers ordered according to the items ①—③in the selection guide.