

MA-118* series Distributed control system



MA SERIES DISTRIBUTED CONTROL SYSTEM

mindman



MA-1188S / MA-1189S
Stop production

Features

- FBD + LD System.
- Support start-up screen (108×64 pixels)
- Multiple communication port.
- Password protection, copy protection.
- **104 FBD integrated functions, 97 LD integrated functions, pre-tested functions.**
- Linking of 1024 function block is possible.
- Display of message texts, adjust program parameter.
- Integrated data latch.
- Flexibly expandable up to 10000 points.
- Support full modbus protocol.
- Free PC software Mindman Editor + Mindman Utility.

Order example

MA – 1188 – T



Model	Type instruction	
MA-1188	Digital Inputs	LED indicator
MA-1188D		LCD monitor
MA-1189	Digital & Analog Inputs	LED indicator
MA-1189D		LCD monitor

Specification

Model	MA-1188 MA-1188-T	MA-1188D MA-1188D-T	MA-1189 MA-1189-T	MA-1189D MA-1189D-T
Digital inputs	8		8	
Analog inputs	—		4 (able to use in digital specification)	
Digital outputs	4		4	
Input voltage range	Digital ON: 4~30 VDC / OFF: 2 VDC(max)		Digital ON: 4~30 VDC / OFF: 2 VDC(max)	
			Analog: 0~10VDC	
Continuous current	Relay: 5A for resistive load, 2A for inductive load; Transistor: 10-60VDC/1.75A(OCP/OTP/UVLO)			
Incoming power	10~30 VDC			
Reserve power	> 10 years			
Operation temperature	-20~+75°C (No freezing)			
Storage temperature	-25~+80°C (No freezing)			
Linking of functions	1024 (max.)			
Real time clock	Yes / > 2 years			
Protocols	Modbus ASCII + Modbus RTU			
Incorporate operator interface	Yes (Modbus interface)			
Expansion maximum I/O	More than 10,000			
Input operating frequency	250KHZ (DI0-DI3)			
Output operating frequency	100KHz			
Message text/ display	4 lines of 12 characters			
Communication port	RS232×1	RS485×2 +RS232×1	RS485×2 +RS232×1	RS232×1 RS485×2 +RS232×1
Size (L×W×H)	120×77×40 mm (with bracket)			

