

MM1010-V/I-24V/230V (48X96)
Operating Instructions



FEATURES

- Upto 8 Digital inputs
- Upto 5 Relays / Digital outputs
- One analog input

SPECIFICATIONS

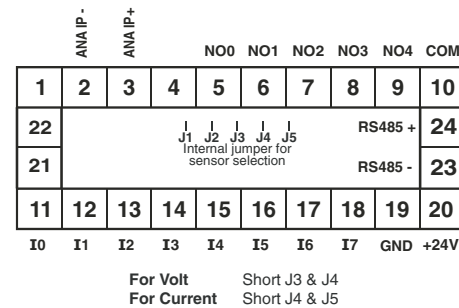
Display	7 segment led
Digits	3 digit + (4 + 4) digit
No. of Keys	5
No. of Configurable Keys	4
DIGITAL INPUT	
No. of Digital Inputs	8
Input Type	PNP
Input Voltage Range	11-28 VDC (abs. max.: 30 VDC)
Response Time (Inputs other than fast counter)	Programmable from 1 to 255ms from Front End (Default 10ms)(Also depends on ladder execution time)
Isolation	2 kV
DIGITAL OUTPUT- Relay	
No. of Relay Outputs	5
Relay (NO Type) Contact rating	NO type; 3 A resistive@240V AC
Isolation	2 kV
Response Time	20 ms
ANALOG INPUT	
No of Inputs / Type	Input :- 0-10V / 0-20 mA (User selectable)
FUNCTIONAL SPECIFICATIONS	
Programming Method	Windows based software for ladder program & HMI configuration
Memory	Data Memory: 16K, Code Memory: 223K
No of Objects	Maximum 5000 (as per memory)
Minimum Scan Time	200 µsec
Typical Scan Time	1 ms

FUNCTIONAL BLOCKS

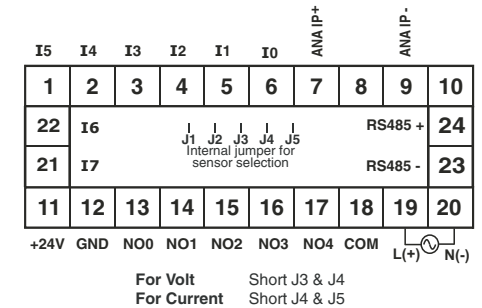
Timer Operational Modes	On Delay, Off Delay, Pulse Special (Up / Down)Timer
Timer Resolution	1 ms
Timer Display Format	Sec, Min, Hr, Day, Min. Sec, Hr.Min, Day.Hr, Hr.Min.Sec, Day.Hr.Min.Sec
Counter (8 digits)	Up Counter, Down Counter, Up / Down Counter
Other Blocks	PID Control, Analog input
Communication Ports	RS485 ports (slave)
Communication Protocol	MODBUS RTU
Memory Retention	10 years
Supply Voltage	24V DC for MM1010-V/I-24V 90-270 VAC / DC for MM1010-V/I-230V
Temperature	Operating: 0 to 50°C Storage: -20 to 60°C
Humidity (non-condensing)	95%
Weight	258 gms

TERMINAL CONNECTIONS

MM1010-V/I-24V



MM1010-V/I-230V



ORDERING INFORMATION

Product	Order Code	Accessories (ordered separately)	Order Code
MM1010 - 2	MM1010-V/I-24V	Communication cable	ACH-001.
	MM1010-V/I-230V	Windows-based software for ladder programming	ACD-003
Note : Select product MM1010 - 2 in Selpro software		Power Supply Module	AP-24V-500mA-NS131
		RS485 to RS232 converter	AC - RS485 - RS232 - 01 AC - RS485 - RS232 - ISO