



- High brightness 0.8"/0.56" LED display:  
-19999~99999/-199999~999999
- Max. input frequency: 7KHz (1U2D / 1P2D); 3KHz (1A2B)
- Input pulse for pre-multiplication & pre-division
- N / R / C relay output mode selectable
- 1~4 Alarms (Hi or Lo) programmable / Analog output  
(16 bit resolution) / RS-485 communication optional  
(The above options can exist together)
- Reset / Pause count by external control terminal available
- High stability, non-flammable case (PC), high safety

**ORDER INFORMATION**

MA5H-C - Code1 - Code2 - Code3 Code4 Code5  
 MA6H-C

Code1	Input Signal	Code2	Aux. Power	Code3	Alarm Output	Code4	Analog Output
N5	NPN(5V)	A	AC/DC100~240V	N	None	N	None
N2	NPN(12V)	C	DC 22~50V	R1	1 Relay	A	4~20mA
P5	PNP(5V)			R2	2 Relays	V	0~10V
P2	PNP(12V)			R3	3 Relays	O	Option
VE	DC 24Vp			R4	4 Relays		
CT	Contact			O1	1 Open Collect	Code5	RS-485 Output
				O2	2 Open Collect	N	None
				O3	3 Open Collect	Y	Yes
				O4	4 Open Collect		

**SPECIFICATION**

- ◆ Display Screen: High brightness red LED; 20.3mm (0.8") / 14.22mm (0.56")
- ◆ Input Frequency: 1U2D:7KHz; 1P2D:7KHz / 1A2B:3KHz
- ◆ Display Range: -19999 ~99999/-199999~999999
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: "≥ (Hi) on" or "< (Lo) on"
- ◆ Alarm Output Mode: N / R / C (depends on 1st alarm setpoint)
- ◆ Alarm Run Time: 1~99 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Analog Output Resolution: 16 bit
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA; Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 19200 / 9600 / 4800 / 2400 bps
- ◆ Temperature Coefficient: 100ppm / °C (0~60°C)
- ◆ Operating Temperature: 0~60°C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70°C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 22~50V
- ◆ Power Consumption: <8.5VA (all functions output)
- ◆ Surge Test: 1.5KVac / 1min (Input / Power)

**WIRING CONNECTION**

**Input Function**

1	2	3	4	5	6
EXC+	INA	INB			COM

**External Control Function**

8	9	10	11
RESET			COM

**Output Function**

● A/O output

23	24
+	-
A/O	

● RS-485 output

25	26
+	-
RS-485	

**Relay Function**

● Relay x1~3

14	15	16	17	18	19	20	21	22
A	C	B	A	C	B	A	C	B
AL1			AL2			AL3		

● Relay x4

14	15	16	17	18	19	20	21	22
A	C	B	A	C	A	C	A	C
AL1			AL2		AL3		AL4	

**Power**

● AC Power

12	13
+	-
AC/DC 100~240V	

● DC Power

12	13
+	-
DC 22~50V	