



- High brightness 0.56" LED display: -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 output programmable (Hi or Lo) / Analog output (15 bit resolution) / RS-485 communication optional (The above option can exist together)
- Reset / Pause count by external control terminal available
- High stability, non-flammable case (PC), high safety
- CE approval

**SPECIFICATION**

- |                             |   |                            |   |
|-----------------------------|---|----------------------------|---|
| ◆ Display Screen:           | High brightness red LED; 14.22mm(0.56")   | ◆ Output Capability:       | Voltage Output: <20mA<br>Current Output: <10V |
| ◆ Max. Input Frequency:     | 7KHz (1U2D / 1P2D)<br>3KHz (1A2B)         | ◆ Communication:           | RS-485 Modbus RTU mode                        |
| ◆ Display Range:            | -199999~999999                            | ◆ Baud Rate:               | 38400 / 19200 / 9600 / 4800 bps               |
| ◆ Parameters Setting:       | Push buttons                              | ◆ Temperature Coefficient: | 100ppm / °C (0~60°C)                          |
| ◆ Back Up Memory:           | EEPROM                                    | ◆ Operating Temperature:   | 0~60°C  |
| ◆ Alarm Action:             | "≥ (Hi) on" or "< (Lo) on"                | ◆ Operating Humidity:      | 20~90% RH (non-condensing)                    |
| ◆ Relay Contact:            | AC 277V / 7A; DC 30V / 7A                 | ◆ Storage Temperature:     | -10~70°C                                      |
| ◆ Relay Output Mode:        | N / R / C (depends on 1st alarm setpoint) | ◆ Storage Humidity:        | 20~90% RH (non-condensing)                    |
| ◆ Alarm Run Time:           | 1~99 sec                                  | ◆ Power Supply:            | AC/DC 100~240V; DC 12 / 24 / 30~90V           |
| ◆ Analog Output Resolution: | 15 bit                                    | ◆ Power Consumption:       | 8.5VA (all functions output)                  |
| ◆ Output Response Time:     | <250 msec (0~90%)                         | ◆ Surge Test:              | 1.5KVac / 1min (Input / Power)                |

**ORDER INFORMATION**

DC6H-C- [Code 1] - [Code 2] - [Code 3] - [Code 4] [Code 5]

Code 1	Input Signal	Code 1	Input Signal	Code 2	Aux. Power	Code 2	Alarm Output	Code 2	Alarm Output	Code 4	Analog Output	Code 5	RS-485
N5	NPN(5V)	VC	Pick-up 50mV~1.5V	A	AC/DC 100-240V	N	None	O1	1 Open Collect	N	None	N	None
N2	NPN(12V)	VD	Pick-up 500mV~15V	B	DC 12V	R1	1 Relay	O2	2 Open Collect	A	4~20mA	Y	Yes
P5	PNP(5V)	VE	DC 24Vp	C	DC 24V	R2	2 Relays	O3	3 Open Collect	V	0~10V		
P2	PNP(12V)	CT	Contact	D	DC 30~90V	R3	3 Relays	O4	4 Open Collect	O	Option		
		O	Option			R4	4 Relays						

\*\*1: NPN(5V),PNP(5V) offers excitation power DC5V; NPN(12V),PNP(12V) offers excitation power DC12V for sensors using.  
2: Please use PNP/NPN(5V/12V) or DC24Vp for DC pulse input.

**WIRING CONNECTION**

