



COUNTER/ HOUR METER

计数器/累时器

Digital display counter is used in industrial automation industry, by a meter sensor output signal, the digital display counter to receive the sensor signals measured values, a multiple output function and control function, a variety of counting mode, widely used in electric power, petrochemical, metallurgy, light industry, pharmaceutical, aerospace and other fields.

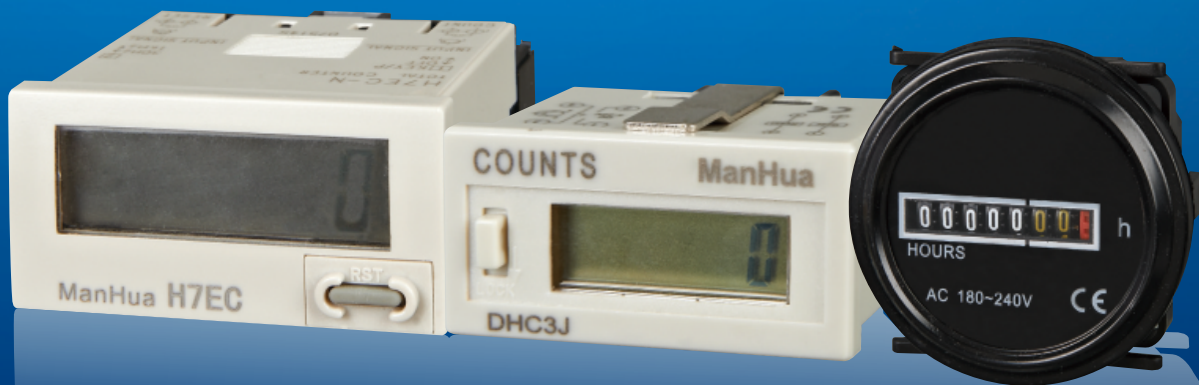
计数器是用于工业自动化行业，通过一次仪表传感器输出信号，数显计数器来接收传感器信号来测量值，有多种输出功能和控制功能，多种计数模式，广泛运用于电力、石化、冶金、轻工、制药、航空等诸多领域。

Hour meter is also known as accumulator, which is for timing. Some of the products have power-off memory function.

This series has been certified by the European Union CE .

累时器也称累计计时器，用于工作时间的计时，有的产品有断电记忆功能。

本系列产品已经获得欧盟 CE 证书。



DIGITAL COUNTER 数显计数器

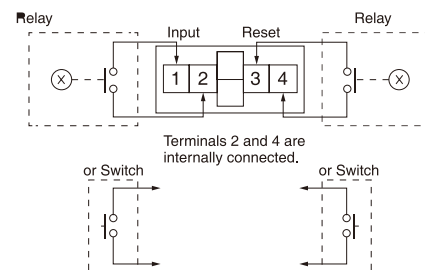
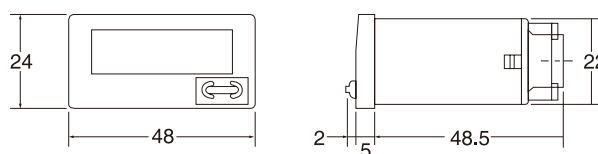
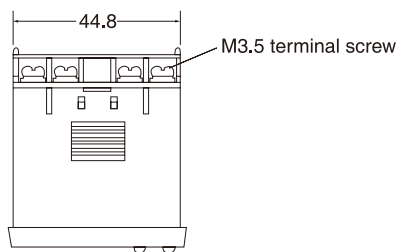
Appearance
外观



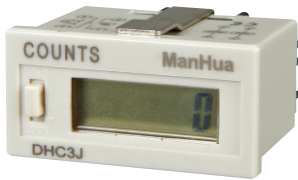

Type 型号	H7EC (MC07)
Timing Range 计数范围	Eight-digits 0-99999999
Timing Precision 计数 (累计次) 精度	0.005%
Count Speed 计数速度	30Hz ; 1 KHz
Reset system 复位	External reset and manual reset : Minimum signal width of 20 ms
Operating Voltage 工作电压	No voltage input 自带电源 (H7EC-N) 4.5-30VDC ; 0-2VDC (H7EC-NV) 24-240VAC/VDC ; 0-2.4VAC/DC (H7EC-NFV)
Terminal screw tightening torque 扭矩压力	0.98 N·m max.
Ambient Temperature 使用环境温度	-10°C ~55°C
Ambient Humidity 使用环境湿度	35-85%RH
Seismic Amplitude 抗震幅度	10-70 Hz
Battery Life 电池寿命	About 5 years(normal temperature)/ 大约 5年 (常温)

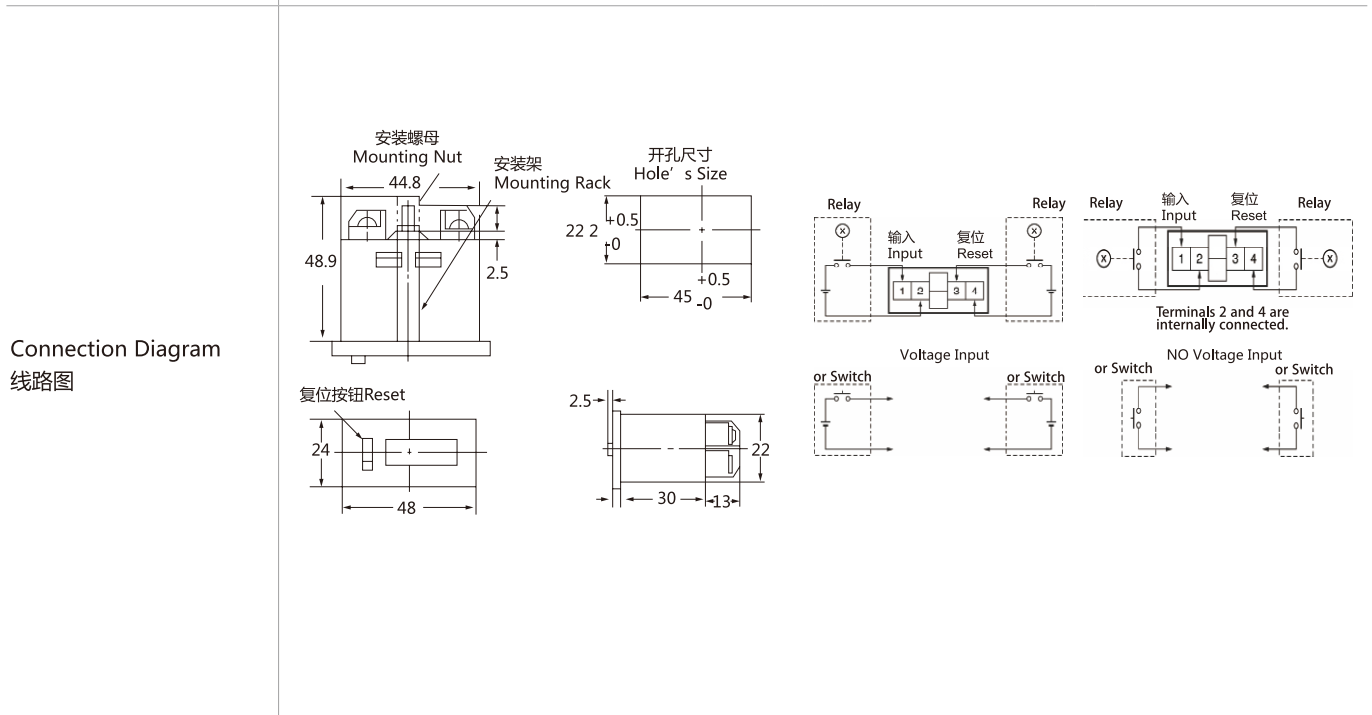
Dimensions
外形尺寸

Connection Diagram
接线图



DIGITAL COUNTER 数显计数器

Appearance 外观		
Type 型号	DHC3J-6(MC03-6)	DHC3J-8(MC03-8)
Voltage 电压	No voltage input 自带电源 ; 6-30VDC ; 100-240VAC/DC	
Count Mode 计数模式	Addition count/ 加法计数	
Count/Cumulative Range 计数范围	Six-digits 0-999999	Eight-digits 0-99999999
Count Speed 计数速度	10 times/sec 10次/秒	
Input 输入信号	Sensor signal , Contact signal , level signal/ 传感器信号、接点信号、电平信号	
Reset Method 复位方式	Terminal reset,panel reset 接线端子复位、面板复位	Back terminals reset 端子短复位
Vibration	Anti-vibration : 10-55Hz , (period 1 min) amplitude 0.75mm , X , Y , Z direction each one hour	
Temperature 温度	-5°C -45°C	
Storage Temperature 储存温度	-30°C -75°C	
Installation 安装方式	Panel type/ 面板式	
Power Failure Memory 停电记忆	5 years/ 年	



DIGITAL COUNTER 数显计数器

Appearance
外观



Type
型号

MH4801

Power Supply
供电电源

220VAC + -10% , AC85V-265V/50Hz DC10V-14V

Total Power consumption
Below
整机功耗

< 2VA/ 小于 2VA

Contact Capacity
触点容量

AC220V 3A ; DC24V 5A

Contact Life
触点寿命

105 Times/105 次

Dimensions
外形尺寸

48×58×78mm

Opening Size
开孔尺寸

$45^{+0.5} \times 45^{+0.5MM} / 67^{+0.5} \times 67^{+0.5MM}$

Mounting Panel
安装方式

Insert/ 面板卡入

Total Weight
整机重量

120g

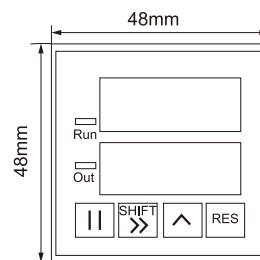
Operating Temperature
工作温度

-40°C ~ +50°C

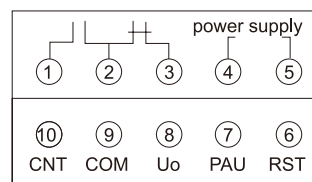
Storage Temperature
储存温度

-50°C ~ +60°C




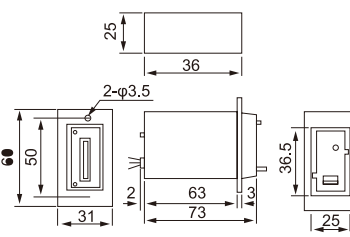
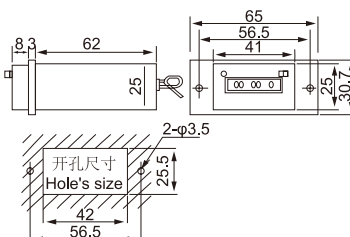
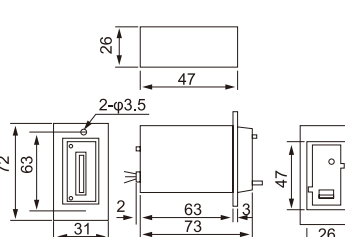
Dimensions
外形尺寸



Connection Diagram
接线图



COUNTER 计数器

Appearance 外观			
Type 型号	CSK4Y	CSK5Y	CSK6Y
Rated Voltage 额定电压	220VAC,110VAC, 24VDC,12VDC		
Pressure Range 压力范围	Rated voltage : (85%-110%)/ 额定电压 : (85%-110%)		
Power consumption 功耗	AC(3VA) DC(3.5W)		
Count Speed 计数速度	AC:10cps DC:20cps		
Life 寿命	1000000 times/1000000 次		
Allowance 公差	Rated voltage -15%~10%/ 额定电压 -15%~10%		
Dielectric Strength 介质强度	AC-1500V(50/60Hz)5s/AC-1500V(50/60Hz)5 秒		
Dimensions 外形尺寸 (mm)			

DIGITAL HOUR METER 液晶累时器

Appearance
外观



Type
型号

H7ET

Voltage
电压

No-voltage input(H7ET-N)
4.5 to 30 VDC(H7ET-NV)
24 to 240 VAC/VDC(H7ET-NFV)

Time range
时间范围

·Seven digits , 0 to 3999d23.9h

Display
显示

7-segment LCD with)

Reset method
复位方式

External/Manual reset
Minimum signal width of 20ms

Time accuracy
误差

≤0.1%(25°C)

Temperature
温度

Operating : -10°C to 55°C

Ambient humidity
湿度

Operating : 25% to 85%

Terminal screw tightening
torque

0.98N·m max.

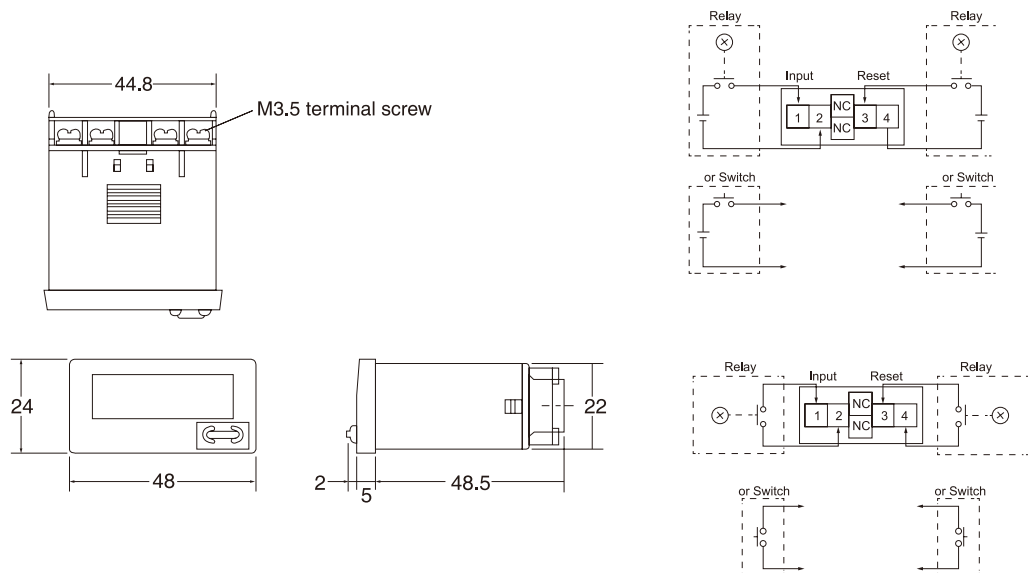
Mounting method
安装方式

Flush mounting

External connections

Screw terminals

Connection Diagram
线路图



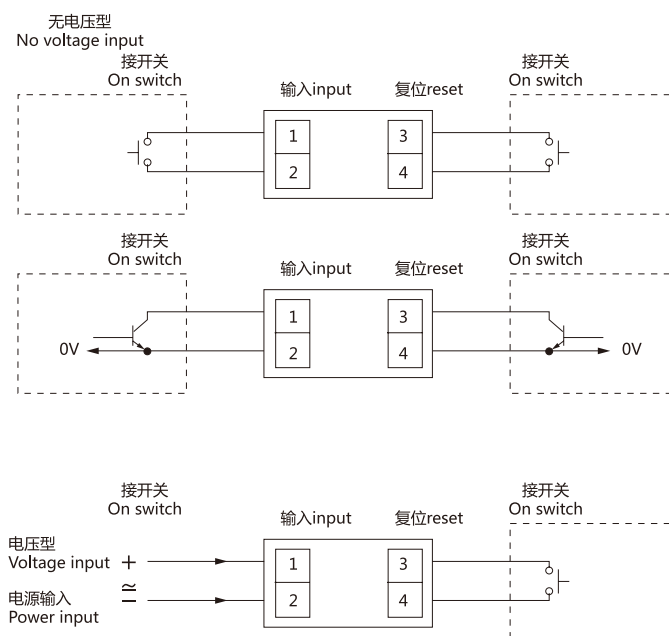
DIGITAL METER 液晶累时器

Appearance
外观



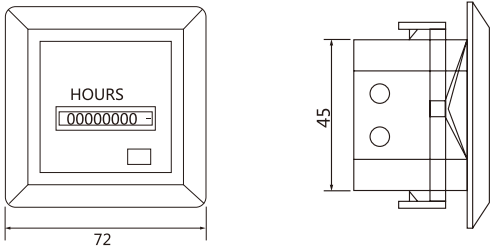
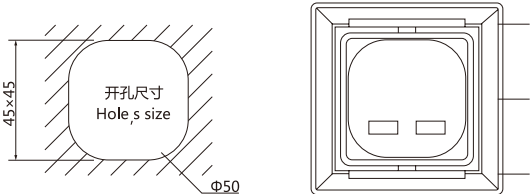


Type 型号	DHC3L (ML03)
Voltage 电压	With power supply / 自带电源
Cumulative Range 累计范围	9999.9h , 999999h59m , 99h59m59s , 9999d23h , 9999h59m59s , 9999h59m
Display 显示器件	6 LCD display ; 8 LCD display
Accumulated Error 累积误差	≤ 0.1%
Reset Method 复位方式	Terminals reset , reset button
Power Failure Memory 停电记忆	5 years/ 年
Temperature 温度	-5°C ~45°C
Installation 安装方式	Panel type/ 面板式
Dimensions 外形尺寸	24×48×50mm
Hole size 开孔尺寸	22.5×45mm




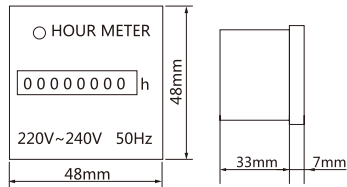
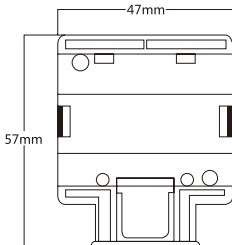
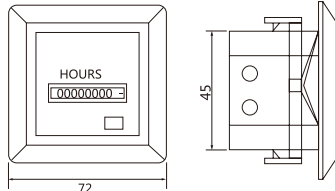
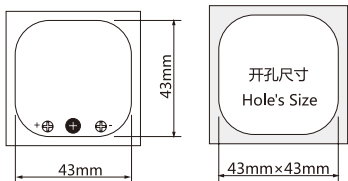
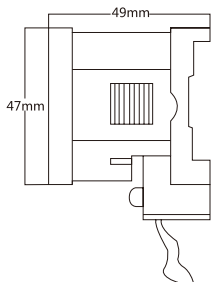
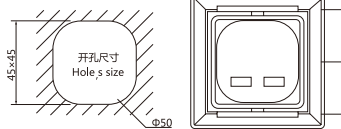
Connection Diagram
线路图



HOURLY METER 累时器

Appearance 外观		
Type 型号	HM-8L	HM-8LR
Timing Range 时间范围	Eight-digit 0~99999999h(DC)	
Voltage 电压	200-240VAC50Hz / 60Hz	
Timing Precision 计时精度	±0.1	
Power 功率	0.3W	
Electrical connection	Screw terminals(tightening torque max.0.8Nm) wire entry form behind , for φ2.5mm ² [AWG13]	
Dimension 尺寸	48× 48× 40mm	
Ambient Temperature 环境温度	-10℃~50℃	
Relative Humidity 相对湿度	35-85%RH	
Installation 安装方式	DINRail 35mm	
Protection level 保护等级	IP20(Sealed)	
Dimensions 外形尺寸		
Hole size 开孔尺寸		

HOURLY METER 累时器

Appearance 外观			
Type 型号	HM-2	HM-2D	HM-1
Timing Range 时间范围	Seven-digit 0~9999999h(AC) ; eight-digit 0~99999999h(DC);		
Voltage 电压	DC10-50V , AC110V , AC180V~240V , 50Hz or 60Hz		
Timing Precision 计时精度	±0.01		
Power 功率	0.3W		
Electrical connection	screw terminals(tightening torque max.0.8Nm) wire entry form behind , forφ2.5 mm[AWG13]		
Dimension 尺寸	48× 48× 40mm		
Ambient Temperature 环境温度	-10℃ ~50 ℃		
Relative Humidity 相对湿度	35-85%RH		
Installation 安装方式	panel	DIN RAIL 35MM	panel
Protection level 保护等级	IP52(Sealed 全密封)		
Outline 外形图			
Dimensions 外形尺寸			

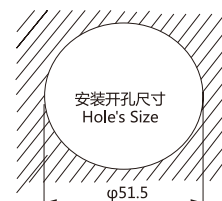
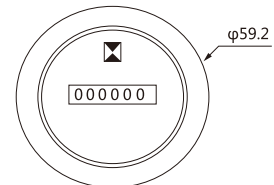
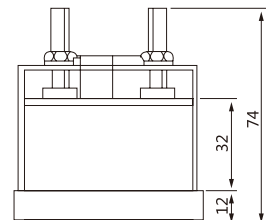
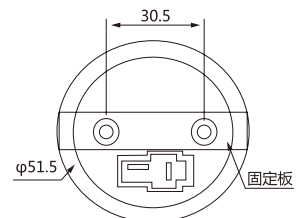
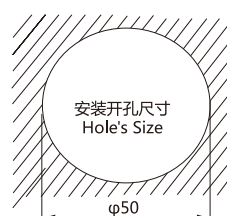
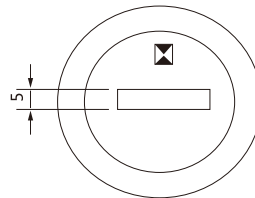
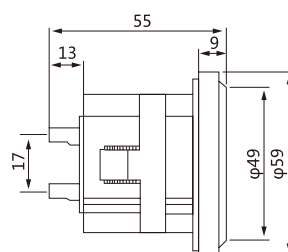
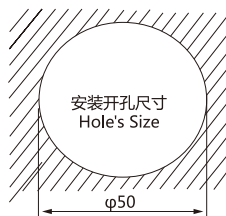
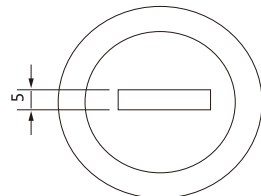
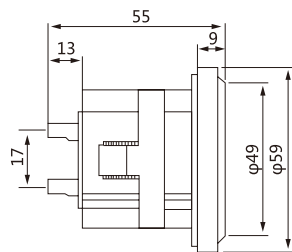
HOURLY METER 累时器

Appearance
外观



Type 型号	MH11	MH12	MH748
Operating Voltage 工作电压	10-60VAC/DC ; AC220-240V	10-80VAC/DC ; AC100-250V	12V-36VAC/DC ; AC100-250V
Time Range 计时范围	0~99999.99 hours/ 小时	0~99999.9 hours/ 小时	0~99999h60m/0~99999 小时 60 分钟
Time Accuracy 计时精度	±0.01	±0.1	
Reset 有无复零	No Reset/ 无复零		
Power 功率	0.3W		
Ambient Temperature 使用环境温度	-10°C ~ +50°C		
Relative Temperature 相对温度	Sealed/ 全密封		
Seismic Amplitude 抗震幅度	10~70Hz 1-8g		

Dimensions
外形尺寸 (mm)



HOURLY METER 累时器

Appearance
外观



Type 型号	MH10
Operating Voltage 工作电压	AC150-240V, DC12-36V
Time Range 计时范围	0~99999.9 hours/ 小时
Time Accuracy 计时精度	±0.1
Reset 有无复零	No Reset
Power 功率	0.3W
Ambient Temperature 使用环境温度	-10°C ~ +50°C
Relative Temperature 相对温度	Sealed/ 全密封
Seismic Amplitude 抗震幅度	10~70Hz 1-8g

Connection Diagram
安装尺寸图

