DHC®

WENZHOU DAHUA INSTRUMENTS & INSTRUMENTATION CO., LTD

SINCE 1981

http://www.chinadhc.com

DHC® Time switch

DIN RAIL TYPE

24Hours time switch

DHC20

- EASY to program
- Directly at DIN rail 54 × 60mm
- Programming resolution of 15 minutes /30 minutes
- Manual ON/OFF/AUTO override
- SPDT 16A(Resistive load) switch
- LCD display with backlight

Weekly programmable time switch

DHC15A

DHC15

- 8 time/week or day
- SPDT 16A (Resistive load) switch
- LCD display
- DIN rail 36 × 60mm

DHC8A-1a

- 8 time/week or day
- 25A 250VAC(1a)
- LCD display
- DIN rail 50 × 60mm

DHC8A-2a

- 2 channel each 4time/week or day
- 25A 250VAC(2a)
- LCD display
- DIN rail 50 × 60mm

Astronomical time switch

DHC15B

- Automatically adjust on&off set according to different latitude zone, different seasons and different sunlight shining time
- Solar time switch
- Directly at DIN rail 36 × 60mm
- Manual ON/OFF/AUTO override
- SPDT 16A(Resistive load) switch

DHC® Water level control

DHC1Y-S

Automatic Water Supply

DHC1Y-SD

Automatic Water Supply and Drainage Control

DHC1Y-T

Two pumps alternation relay

DHC® Digital panel meter

DP15

- 3 1/2 digit LCD display
- Directly at DIN rail 36x60mm
- Measure range: A -5~2000A(select inside)

  V -2~600V(select inside)

DHC® Timer

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DHC19

- Directly at DIN rail 24 × 60mm
- 0.1s~10h(three type)
- Contact: 1c 3A 250VAC(Resistive load)
- Power:AC/DC100~240V

DHC® Staircase light time switch

DHC18

- 0.5m~20m
- 16A 250VAC(Resistive load)
- Directly at DIN rail 18x60mm

DHC® Detect faulty phase sequence/total loss of phase(s)

RSTC

- Directly at DIN rail 24x60mm
- RSTC is a 3-phase monitor designed to detect

  *wrong phase sequence

  *total absence of one, two or all three phases
- The RSTC measures on its own 3-phased power supply and Operates when both conditions exist.
- SPDT 10A 250VAC(Resistive load) switch

RSTB

- Monitoring of rotational direction of phases
- Detection of complete failure of one or more of the phases
- Under voltage detection (-10%)
- Over voltage detection (+10%)
- Detection of phase asymmetry (imbalance) (± 10%)
- Adjustable time delay from 0.1 s to 10 s.
- SPDT 10A 250VAC(Resistive load) switch

DHC® Star delta start timer

DHC19-Y

- Adjustable time from 1s~100s
- SPDT 10A 250VAC(Resistive load) switch
- Directly at DIN rail 24 × 60mm

DHC® TEMPERATURE CONTROLLERS

DIN RAIL TYPE

MODEL	DHC1T-D	DHC2T-D	DHC3T-D
Dimension	48(H) × 48(W) × 90(D)mm	72(H) × 72(W) × 98.5(D)mm	96(H) × 48(W) × 112(D)mm
Power supply	AC/DC:100~240V		
Input	K(CA),J (IC) ,PT100		
Control output	R:Contact output,	S:SSR output ,	V:Voltage output
Display Digit	Two line 4 digit LED		
Indication accuracy	± 0.5% off full scale ± 2digit		
Control mode	Auto PID		
Panel cutout	45(H) × 45(W)mm	68(H) × 68(W)mm	92(H) × 45 (W)mm

MODEL	DHC1W	DHC2W	DHC3W
Dimension	48(H) × 48(W) × 90(D)mm	72(H) × 72(W) × 98.5(D)mm	96(H) × 48(W) × 112(D)mm
Power supply	AC/DC:100~240V		
Input	K(CA),J (IC) ,PT100		
Control output	R:Contact output,	S:SSR output ,	V:Voltage output
Display Digit	3DIGIT LED		
Indication accuracy	± 0.5% off full scale ± 2digit		
Control mode	On/off control		
Panel cutout	45(H) × 45(W)mm	68(H) × 68(W)mm	92 (H) × 45 (W)mm

DHC® TIMER

MODEL	DHC6B	DHC48	JSS48B	DH48S-S(Twin timer)	DHC2	DHST3P
Time Range	0.01s-99h99m	0.01s-99h99m		1s~99m(0.1s~9.9m,10s~990m)	0.1s~10h(three type)	0.1s~24h(four type)
Operation Mode	Up/Down			Up	up	up
Power Supply	AC/DC:100V~240V				AC/DC:100V~240V	AC220-240V
Dimension	48(H) × 48(W) × 92(D)mm			48(H) × 48(W) × 96(D) mm	48(H) × 48(W) × 90(D)mm	50(H) × 40(W) × 58(D) mm
Accuracy	⩽ 0.01%+ ± 0.05S(at 25℃)				⩽ 5%FS	⩽ 5%FS
Output control	1c	2c	1c		2c/1c 1H	2c/1c 1H
	3A AC250V(Resistive load)					
Display	0.25 inch LED	0.3 inch LED	0.25 inch LED		LED	LED
Panel cutout	45(H) × 45(W)mm					

DHC® DIGITAL PANEL METER

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MODEL	DP8-AV	DP8-AA	DP8-DV	DP8-DA	DP8-Hz
	AC Voltage Meter	AC Ampere meter	DC Voltage meter	DC Ampere meter	Frequency Meter
Display Digit	999(3digit) 0.56 inch LED				3digit 0.56 inch LED
Power supply	AC/DC:100~240V				
Dimension	48(H) × 48(W) × 70(D)mm				
Control Input	AC10V,100V, 600V (Select Inside)	AC5.00A~AC1000A (Select inside) Current＞5A must be used C.T(5A)	DC 10V/,100V/500V (Select Inside)	Direct input:5.00A C.T input:(5A)~1000A (Select Inside) C.T(75 Mv or50mV)	0.2-400Hz
Accuracy	⩽0.5% ± 1Digit(at 25℃)				⩽0.1% ± 1Digit(at 25℃)
Panel cutout	45(H) × 45(W)mm				

MODEL	DP7-AV	DP7-AA	DP7-DV	DP7-DA	DP7-Hz
	AC Voltage	AC Ampere	DC Voltage	DC Ampere	Frequency Meter
Display Digit	1999(3 1/2digit) 0.8 inch LED				3digit 0.56 inch LED
Power supply	AC/DC:100~240V				
Dimension	72(H) × 72(W) × 48(D)mm				
Control Input	AC2V,20V,200V 600V (Select Inside)	AC5.00A~AC1999A (Select inside) Current＞5A must be used C.T(5A)	DC 20V/,200V,600V	Direct input:5A/2A C.T input:(5A)~2000A (Select Inside) C.T(75 mV or 50 mV)	0.2-400Hz
Accuracy	⩽0.5% ± 1Digit(at 25℃)				⩽0.1% ± 1Digit(at 25℃)
Panel cutout	68(H) × 68(W)mm				

MODEL	DP3-AV/DP6-AV	DP3-AA/DP6-AA	DP3-DV/DP6-DV	DP3-DA/DP6-DA	DP3-Hz / DP6-Hz
	AC Voltage meter	AC Ampere meter	DC Voltage meter	DC Ampere meter	Frequency Meter
Display Digit	1999(3digit) 0.56 inch LED				3digit 0.56 inch LED
Power supply	AC/DC:100~240V				
Dimension	DP3:48(H) × 96(W) × 112(D)mm/ DP6:36(H) × 72(W) × 77(D)mm				
Control Input	AC2V,20V,200V,600V (Select Inside)	AC5.00A~AC1999A (Select inside) Current＞5A must be used C.T(5A)	DC 20V/,200V/600V	Direct input:5A/2A C.T input:(5A)~2000A (Select Inside) C.T(75 mV or 50 mV)	0.2-400Hz
Accuracy	⩽0.5% ± 1Digit(at 25℃)				⩽0.1% ± 1Digit(at 25℃)
Panel cutout	DP3:45(H) × 92(W)mm DP6:33(H) × 68.5(W)				

DHC® COUNTER

Model	DHC1J	DHC2J
Dimension	48(H) × 48(W) × 90(D)mm	72(H) × 72(W) × 98.5(D)mm
Counting speed	30/3K cps	
Power supply	AC/DC 100~240V	
Display	6 Digit LCD with back light	
Input signal	Contact or Solid-state [H]:4~30V [L]:0~2V Input ⩾ 4.7K	
Contact output	1c(3A 250VAC Resistive Load)	2c(3A 250VAC Resistive Load)
Sold-state outpul	NPN Open Collector 100mA DC30V)	
Power for sensor	DC 12V 100mA(MAX)	
Control function	Up/ Down / A ,B ,C Prescale function(0.001~99.999) Decimal point adjustment	
Memory backup*	10 years(at 25℃)	
Panel Cutout	45(H) × 45(W)mm	68(H) × 68(W)mm

DHC1J A 2 P R

- R:RELAY / S:SOLTD -STATE
- P:Setting scale value / Non:No setting scale value
- 2:Twin setting / 1:One setting
- A:AC/DC 100~240V / D:AC/DC 12~24V
- DHC1J:Din 48 × 48mm / DHC2J:Din 72 × 72mm

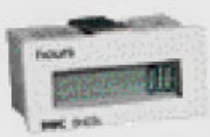
Model	DHC7J	DHC8J	DHC5J-A	JDM15B
Counting range	9999		9999	999999
counting speed	30/500 cps		30/1K cps	
Power supply	AC/DC100~240V			
Dimension	48(H) × 48(W) × 90(D)mm	72(H) × 72(W) × 98.5(D)mm	48(H) × 48(W) × 92(D)mm	72(H) × 72(W) × 103.5(D)mm
Input signal	Contact or Solid-state [H]:4~30V [L]:0~2V Input ⩾ 4.7k			
Contact output	1c(3A 250VAC Resistive Load)	2c (3A 250VAC Resistive Load)	2c (3A 250VAC Resistive Load)	2c (3A 250VAC Resistive Load)
Power for sensor	DC 12V 30mA(MAX)			
Input mode	Up/ Down /Up down A ,B ,C			
Memory backup	10 years			
Panel cutout	45(H) × 45(W)mm	68(H) × 68(W)mm	45(H) × 45(W)mm	68(H) × 68(W)mm

Classification	DIGITAL TACHO METER		LINE SPEED METER
Model	DHC9J-Z	DHC6J-Z	DHC6J-X
Dimension	36(H) × 72(W) × 77(D)mm	48(H) × 96(W) × 112(D)mm	
counting speed	1000 Rps / 60000Rpm		
Display Digit	0.56 inch LED(6 digit)		
Power supply	AC/DC100~240V		
Input single	Contact or Solid-state [H]:4 ~ 30V [L]:0 ~ 2V Input ⩾ 4.7kΩ		
Panel cutout	33(H)x68.5(W)mm	45(H)x92(W)mm	

Classification	SELF-POWERED COUNTER		SOLID-STATE COUNTER	
	Totalizing counter	AC Voltage input Totalizing counter	Totalizing counter	
Model	DHC3J	DHC3J-AL	DHC11J	DHC11J-A
Dimension	24(H)X48(W)X50(D)mm		DHC11J-2:42(w)X56(H)X72(D)mm DHC11J-3:50(w)X60(H)X72(D)mm	
Range	999999/99999999		999999	
Counting speed	10/200 cps	10 cps	10/500 cps	10 cps
Display Digit	LCD(6digit or 8digit)		0.36 inch LED(6 digit)	
Power supply	Not required(driven by built-in battery)		AC/DC100~240V	
Input single	Contact or Solid-state	AC Voltage:AC110~240V	Contact or Solid-state	AC Voltage:AC110~240V
Memory backup	6 years(at 25℃)		10 years	
Panel cutout	22.5(H)x45(W)mm		25(H)x50(W)mm	

Model	DHC9J-J	DHC6J-J	DHC6J-M
Dimension	36(H)X72(W)X77(D)mm	48(H)X96(W)X112(D)mm	
Range	99999	999999	Free count ration setting(0.001~9.999)
Counting speed	30/1000 cps		
Display Digit	0.56 inch LED(6 digit)		
Power supply	AC/DC100~240V		
Input single	Contact or Solid-state [H]:4 ~ 30V [L]:0 ~ 2V Input ⩾ 4.7kΩ		
Memory backup	10 years		
Panel cutout	33(H)x68.5(W)mm	45(H)x92(W)mm	

DHC® HOURS METER

Classification	SELF-POWERED COUNTER		SOLID-STATE COUNTER	
	Hours meter	AC Voltage input Hours meter	Hours meter	
Model	DHC3L	DHC3L-A	DHC9J-L	DHC6J-L
				
Dimension	24(H)X48(W)X50(D)mm		36(H)X72(W)X77(D)mm	48(H)X96(W)X112(D)mm
Time Range	1: 0.1h~99999.9h , 3: 1m~9999h59m, 2: 1s~99h59m59s , 4: 1h~9999d23h, 6: 999999h59m, 5: 9999h59m59s		1s-999m59s, 1m-999h59m, 0.1m-9999.9m, 0.1h-9999.9h (Select Inside)	
Display Digit	LCD(6digit or 8digit)		0.56 inch LED(6 digit)	
Power supply	Not required(driven by built-in battery)		AC/DC100~240V	
Input single	Contact or Solid-state	AC Voltage:AC110~240V	Contact or Solid-state	
Memory backup	6 years(at 25℃)		10 years	
Panel cutout	22.5(H)x45(W)mm		33(H)x68.5(W)mm	45(H)x92(W)mm

DHC® Total Counter / Hours meter

DHC15J

- Directly at DIN rail 36 × 60mm
- 8 digit LCD display
- Li-battery inside,
- memory backup 10 years
- LCD with backlight

DHC15L

DHC® Counter/Timer

DHC10J

- Display: two line 4 digit LED
- Memory backup:100 years
- Output:1c 3A 250VAC(Resistive load)

Timer

- Time Range:0.01s99h99m

Counter

- Counting range:0-9999
- Counting speed:30/500cps

DHC® Digit display panel meter

DP3-Z

- Digit display: 1999(3digit) 0.56 inch LEDl
- Input:DC0~10V

DP3-SVA

- Digit display: 1999(3digit) 0.56 inch LED
- The meter can be used with output features sensor or measuring, as measuring and display of pressure , weight, temperature and humidity.
- With decimal point and range setting function
- With digit zero and span adjustment function.
- Output 4-20mA

DHC® Meter wheel

DHC1M

- Input:DC9~30V
- Output phase: A.B phase 90。
- Resolution:0.01m

DHC2M

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