

THC9116 LIGHT CONTROL +TIMER SWITCH

1, The characteristics :

- it is used for setting the time of each day or each week to control equipment switch.
- it is can be set the time of 16 set ON&OFF, and also can be ON/OFF at any time .
- It is can set 18 pulses of (ringing the bell) program, also adjustable pulse duration 1 s ~ 59 m59s.
- It is can set the countdown program, and also the countdown duration of 1 s ~ 59m59s.
- DIN standard size :35mm, rail mounting.
- Built-in lithium battery, when power failure ,it is can be display working as usual.
- automatic correction time of per week (- 30 seconds $\leq \Delta t \leq$ 30 seconds)
- In front of the photocell, it should be no obstruction affecting to accept natural light;
- In front of the photocell, it should be no swaying object. Ambient Light: <2-120LUX
- Don't install the photocell under the light or in the place where the light will be irradiated to the photocell.

2, Technical parameters:

- Voltage selection view product printing : ■AC85-2265V;
- power control and contact: 16A/20A/25A : 1NO+ 1NC 30A: 1NO
- Timing error: $\leq$ 1 seconds/day (25℃) • working temperature: - 10 ~ 40 ℃
- Set the switch number: 16 ON/16 OFF • Power reserve: 3 years
- power consumption: < 4 VA • display device: LCD display
- The minimum control time:1Minutes • control time range: 1Minutes-168Hours
- Ambient humidity:35 ~ 85% RH • electrical life : 10^5 times • mechanical life: 10^7 times

3, Time setting&other function setting

No	Key	Setting Generation
1	press "P"key	into time set,display 1on, it is 1 set of ON time
2	Press"D+"key	Adjustable week
3	Press"H+"key	Adjustable hour
4	Press"M+"key	Adjustable minutes
5	Press"MANUAL"key	Cancel or restore the time setting
6	Press again" P"key	Enter into setting time, display 1off, it is 1 set OFF time
7	Repeat 2-5	Adjustable the Week,Hour and minutes of OFF
8	Press again "P"key	Set 2-16 set ON/OFF time (operate instruction as same as above, if don't need to set,just press "⌚"key return setting)
9	Press "⌚"key	return the time setting
10	Press "H+"& "D+"Key in same time	OFF display screen and cancel program

Such as setting "ON and OFF" at the same time, open time of products replay for 30 seconds;

Weeks working mode The corresponding table :

No	Working mode	Function	Week corresponding table		
			MO	TU	WE
1	MO TU WE TH FR SA SU	Each Day's time is same	Monday	Tuesday	Wednesday
2	MO/TU/WE/TH/FR/SA/SU	Each Day's time is same difference	TH	FR	SA
3	MO TU WE TH FR	The working time from MO to FR is same	Thursday	Friday	Saturday
4	MO TU WE TH FR SA	The working time from MO to SA is same	SU		
5	SA SU	The working time from SA to SU is same	Sunday		
6	MO WE FR	The working time of MO,WE and FR is same			
7	TU TH SA	The working time of TU, TH and SA is same			
8	MO TU WE	The working time of MO,TU and WE is same			
9	TH FR SA	The working time of TH,FR and SA is same			

4, clock correction.

current time adjustment: at the same time press ⊕ and “H +”, ⊕ and “M +”, ⊕ and “D +” keys; Adjust the hours, minutes and week respectively. (the first use, the product such as did not display, after the electricity 5 seconds ,please press “RESET “key open).

5, Work status: Press “MANUAL” key to set the working state, ON AUTO: automatic state is ON, ON: it is permanent ON, OFF: it is permanent OFF, AUTO OFF: automatic state is OFF. After completion setting, it is should be sure to check the time keep in ON or OFF state, such as setting ON at 19:00 and OFF at 7:00, so should be set in AUTO OFF state ;now is at 10:00, if the time to 22:00, so should be set ON AUTO mode .

6, 12 hours and 24 hours boot, the product is a 24-hour, for 12 hours, please press “⊕” key for 3 seconds, the left upper corner of the screen display AM, said it was for 12 hours, and then press ⊕ key for 3 seconds, back in 24 hours, AM closed at this time. 12 hours (AM said in the morning, the PM said afternoon).

7, Reuse functions -- pulse (ringing the bell) Pulse length ON set and press “H+” “M+” key for 3 seconds at the same time, display P = 0: 00, it is enter the time setting; At the same time press “ ” and “H +” key, press “ ” and “M +” key, it adjusted minutes and seconds (also adjustable pulse duration 1 s ~ 59 m59s.) long time Is apply for all the pulse sets. Set after the completion of the wait a minute, after starting with P display flashing, press “P” key can start set pulse open procedures, Pulse ON time setting according to the timing set 1-4 steps, set 1-18 set pulse ON time respectively. Cancel the pulse setting(bell ring) function in the state , At the same time press “M+” and “H +” key, No display "P" word, it is automatically cancel the function of pulse ring bell .

8, Reuse function - countdown press“ ⊕ “and “P” key for 3 seconds and it will display d = 0:00, then press “ ⊕ ” and “ H + ” key, “ ⊕ ” and “ M + ” key to adjust the time of minutes and seconds (1second to 59 minutes 59seconds) ;Press “ MANUAL ” key to start countdown; Press ” P ” key to retreat from the status of countdown; Press “ ⊕ “and “P” key for 3seconds to retreat from the function of countdown;

9, Automatically Adjust the weeks error time Press “MANUAL” and “P” key and it will display 7 d - 00 ; Press“MANUAL”key and “D+ “key to adjust the error time. "+" means the automatically increasing seconds for a week. "-" means the automatically reducing seconds for a week. (- 30 seconds ≤ Δt ≤ 30 second). end the setting, please press “ ⊕ ” to com back.

10, other notice:

10.1, set checking(modified) : press “P”key check (modified) set by time.

10.2, MANUAL control: press “MANUAL”key, random ON/OFF can be realized.

10.3, such as if 30 seconds is not set, the controller will be return of the time display, it is can according to the specifications into the method into the specified process.

10.4, the product should be turn off the screen when in the process of storage and transportation (at the same time press the “D+” and “H+” key to turn off screen and remove all programs).

10.5 , start the week, enable error time automatic adjustment function, pay attention to the influence of seasonal temperature changes.

10.6, ON/OFF time setting, are allowed to make cross setting, should be set according to time order.

10.7, please don't used in dust, corrosion gas, direct sunlight, rain places.

10.8, please at used in rated voltage and the regulation of temperature, humidity, storage

10.9, the Scrap electrical products, it is not allowed processing with the living garbage, it is should be keep where there is facilities for recycling

11, outline Drawing & wiring diagram:

