TIMER SWITCH WITH ASTRONOMICAL FUNCTION

1，The characteristics :

• it is can be set the time of 8 set ON&OFF, and also can be ON/OFF at any time .

• DIN standard size :35mm, rail mounting.

• Built-in lithium battery, when power failure ,it is can be display working as usual.

• with the seasonal change of automatic adjustment of the set time to control the lighting switch time, the realization of the light up and off, sunset and on.

• widely used for street lamps, advertising lamp box control lamp occasions.

2，Technical parameters:

• Voltage selection view product printing ：

■AC220-240V；■AC110-120V ; ■AC380V; ■AC/DC12V; ■AC/DC24V; ■ AC/DC48V; ■AC85-260V

• power control and contact: 16A/20A/25A : 1NO+ 1NC   30A: 1NO

• Timing error:≤ 1 seconds/day (25℃)   • working temperature: - 10 ~ 40 ℃

• Set the switch number: 8 ON/ 8 OFF   • Power reserve: 3 years

• power consumption: < 4 VA   • display device: LCD display

• The minimum control time:1Minutes • control time range：1Minutes-24 Hours

• Ambient humidity:35 ~ 85% RH   • electrical life : 10^5 times   • mechanical life: 10^7 times

3，other notice:

3.1, set checking(modified) : press "P"key check (modified) set by time.

3.2, MANUAL control: press "MANUAL"key, random ON/OFF can be realized.

3.3, 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.

3.4, the product should be turn off the screen when in the process of storage and transportation (at the same time press the " ⊕ " and " ⊜ " key to turn off screen and remove all programs).
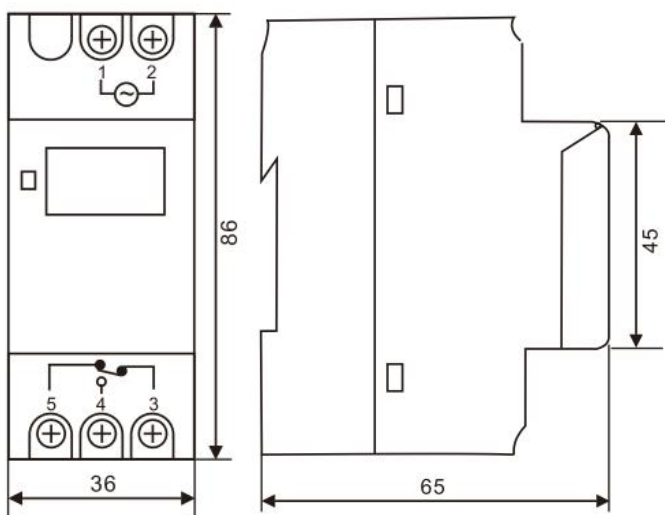
3.5，ON/OFF time setting, are allowed to make cross setting, should be set according to time order.

3.6， please don't used in dust, corrosion gas, direct sunlight, rain places.
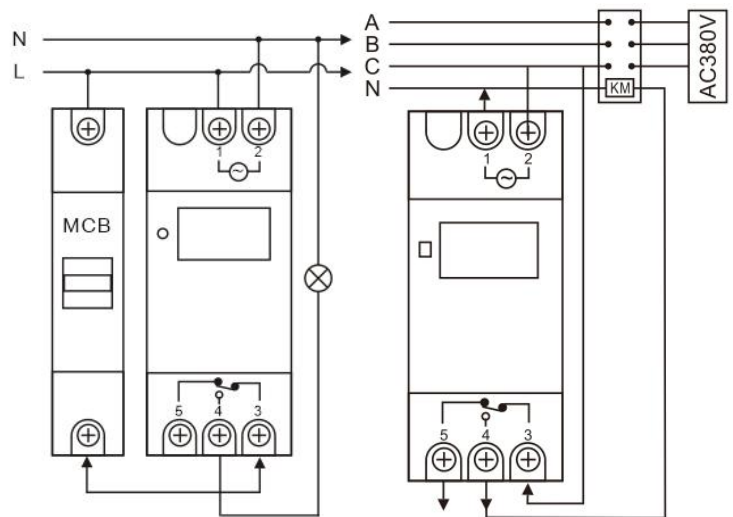
3.7，please at used in rated voltage and the regulation of temperature, humidity, storage

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

## 4，outline Drawing: wiring diagram:

Single phase   220V   three phase 380V

5，Time setting&other function setting

		display	Remarks	Way of entry
Preparation	1，Find out latitudes in the region,accuracy is one degree.			the first use, Or after shutdown, restart.
	2，Check the on/off time in the day and record them.			
	3，Find out the date .			
Reset	Press "RESET" Key（Start the to need 5 seconds）	n 25		
Latitude Set	Press ＞ key,to select north or south	n glitter	n symbolizes north s symbolizes south	Press P and ⊜ key , simultaneously to set latitude
	Press∧key, to change N-S			
	Press ＞ key, set latitude	25 glitter	Press ∧ key number will increase.	
	Press ∧ key, to change latitude			
Date set	Press P key to enter date set	2009		Press P and ⊕ key , simultaneously to set date
	Press ＞ key , to set years	09 glitter	Press ∧ key number will increase.	
	Press ∧ key, to change years			
	Press ＞ key, set month	month glitter	Press ∧ key number will increase.	
	Press ∧ key, to change month			
	Press ＞ key, set day	day glitter	Press ∧ key number will increase.	
	Press ∧ key, to change day			
Time set for on/off	Press P key to enter	1 ON	set to 1set of ON time	If the latitude function is not needed press the ⊜ key to make the sign on the display , ⊜ turn off,so the on and off time will not be automatically adjusted in the future.
	Press ＞ key, set to 1set of ON time hours	hours glitter		
	Press ∧ key, to change hours			
	Press ＞ key, set to 1set of ON time minute	Minute glitter		
	Press ∧ key, to change minute			
	Press P key to enter	1 OFF	set to 1set of OFF time	
	Press ＞ key, set to 1set of OFF time hours	hours glitter		
	Press ∧ key, to change hours			
	Press ＞ key, set to1 set of OFF time minute	Minute glitter		
	Press ∧ key, to change minute			
	Repeat the above steps，set 2-8 groups of working hours			
Set the current time	Press ⊕ and ＞ key, Set the current time	hours glitter	Press ∧ key number will increase.	Press ⊕ and ＞ key to enter.
	Press ∧ key, to change hours			
	Press ＞ key, set to minute	Minute glitter		
	Press ∧ key, to change minute			
	Press ⊕ key exit menu			

6，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 .