
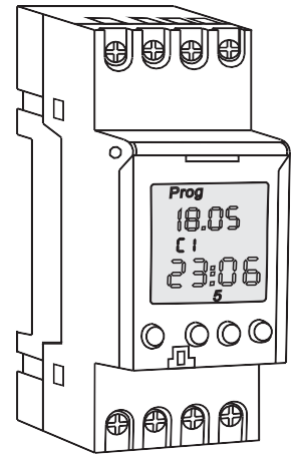


Thank you very much for purchase. Before the operation, please read the instructions completely.

-  **Models:**
- AHC613/L** ➤ 1 Channel Astronomical timer
  - AHC614/L** ➤ 2 Channels Astronomical timer
  - AHC613D/L** ➤ 1 Channel Wide voltage Astronomical timer



- Built-in calendar: 2019 - 2049 years.
- Longitude / latitude time zone settings
- ON/OFF time can follow with sunrise and sunset time. View the rising and sunset times of the day.
- 16 group of program settings. 6
- Holiday settings.
- EU(Europe), Manual Daylight Saving Time.
- Built-in lithium battery, keep working when power failure.
- DIN35mm standard rails.
- LCD Backlight LED (Only for suffix L production)

- Longitude range:  
East / West 0 ~ 180 °
- Latitude range:  
South / North 0 ~ 68 °
- Time zone range:  
+/-12H

## Technical data

Function	Model	AHC613D/L	AHC613/L	AHC614/L
Rated voltage		85~265VAC	12/24/48V AC&DC, 110/220VAC	12/24/48V AC&DC, 220VAC
Voltage range		---	-15/+10%	
Frequency		50 to 60Hz	50/60Hz	50 to 60Hz
Number of Chnnels		1		2
Programs memory locations		16 groups		C1/16+C2/16 groups
Resistive Load $\cos\Phi=1.0$		1x16A(250VAC)		2x16A(250VAC)
Inductive Load $\cos\Phi=0.6$		1x10A(250VAC)		2x10A(250VAC)
Max. Power Consumption		Standby $\leq 2VA$ , Action $\leq 3VA$	$\leq 5VA$	$\leq 7.5VA$
Terminal Load		Incandescent/halogen Lamp $\leq 2300W$		
		Energy saving lamps $\leq 170W$		
Shortest Switching Time		1 minute		
Ambient Temperature		-10 to +50°C(Non-icing)		
Ambient humidity		35~85%RH		
Accuracy		$< \pm 2sec./day$ at 25°C		
Power failure memory		4 years		
Electrical life		$10^5$ times		
Mechanical life		$10^7$ times		
Weight		About 130g	About 130g	About 160g

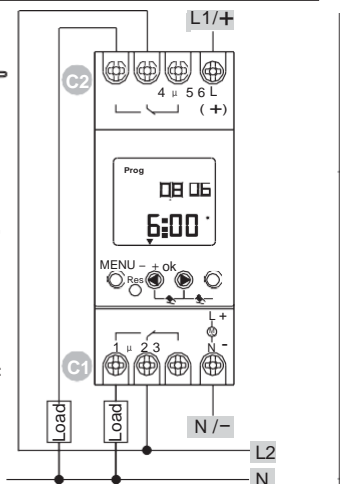
## Wiring diagram

**Note:**  
Channel C2 only for AHC614

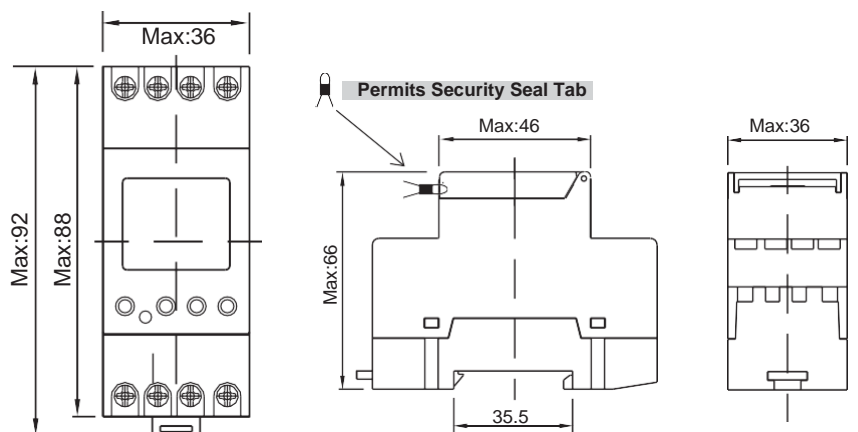
**Seconds dots description:**



**External power supply ok:**  
Two flashing dots  
**Built-in battery display mode:**  
Three flashing dots



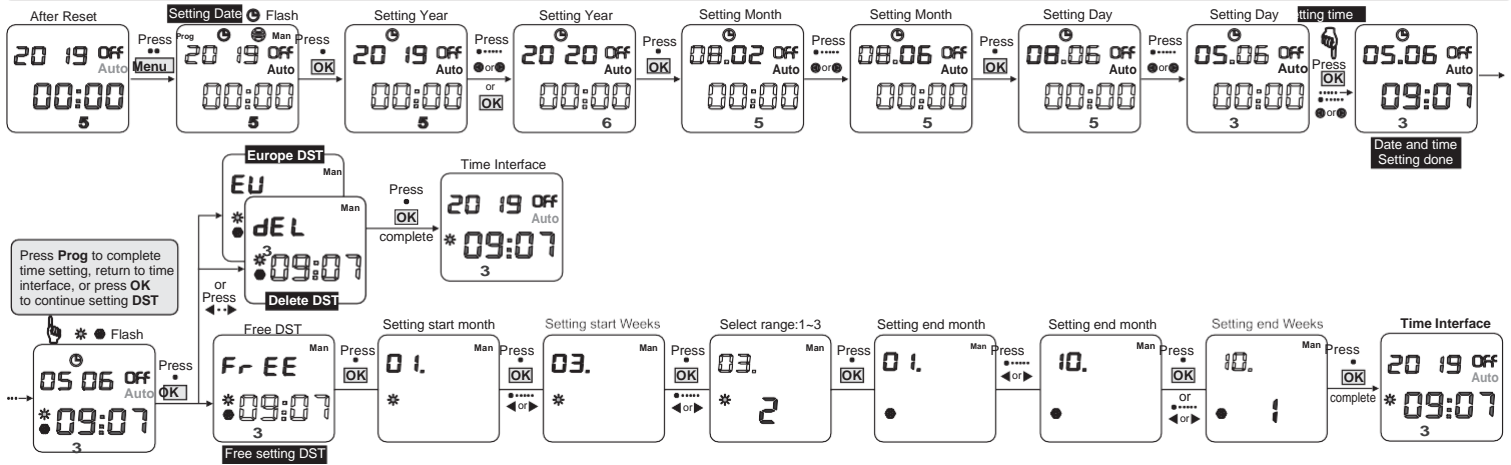
## Dimension drawings



## Product setting instructions:

- 1 The Timer is at off state before delivery, press the **Res** button on the interface to open the product display at the first time.
- 2 Press **Menu** and **⊙** 3 seconds, the timer will shut down and all programs and settings will be cleared.
- 3 If there is no operation for 30 seconds during the setting process, the current setting parameters will not be retained.

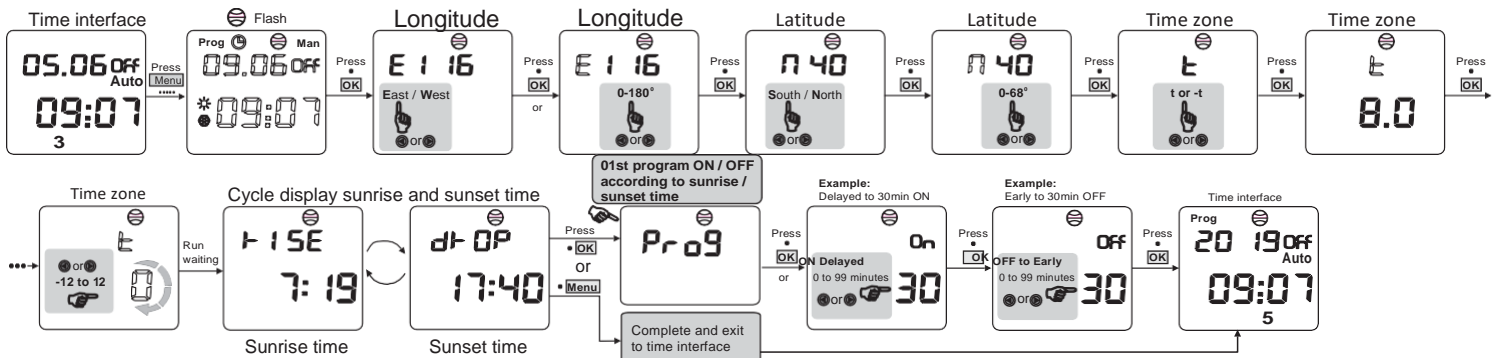
## 1. Date, Time and DST(Daylight Saving Time) setting:



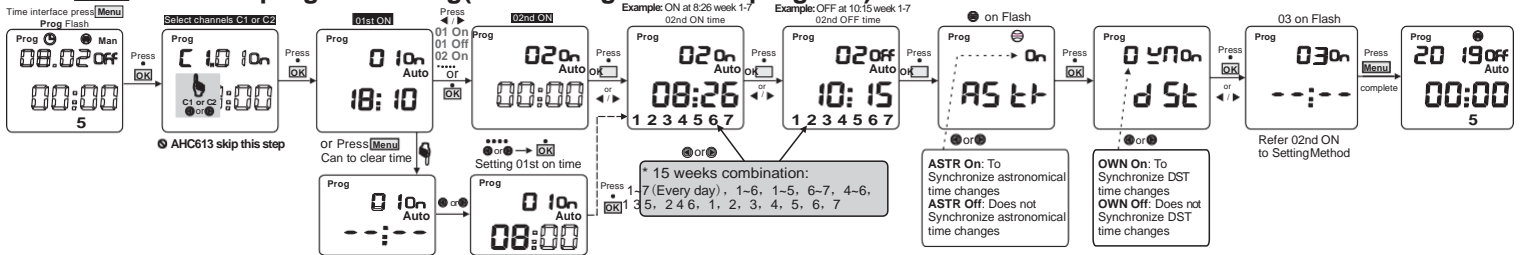
## 2. Longitude, latitude, time zone and ON/OFF Timing program settings

- a. Press **Menu** during the setting process to return to the current time interface.
- b. Press **Menu** to view and modify ON / OFF programs and pulse programs
- c. The program time cannot be set to overlap. It should be set according to the time sequence.

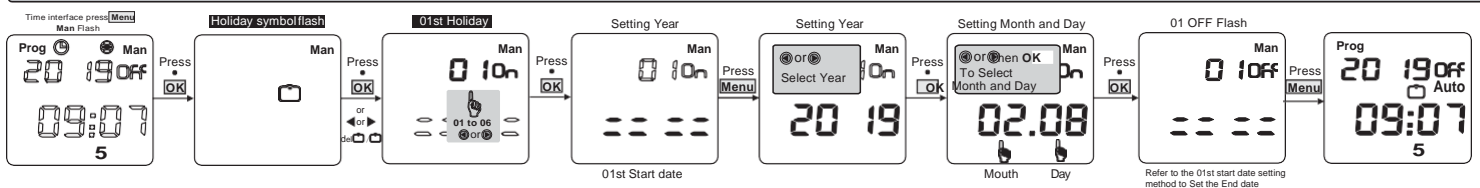
### 2.1 Longitude, latitude, time zone and 01st ON/OFF program settings



### 2.2 ON/OFF program setting (Can setting 16 ON/OFF program.)



## 3. Holiday setting (Can setting 6 Holiday settings.)



## 4. Manual ON and OFF (Channel 1 Press both "⊙" and "⊙", Channel 2 Press both "+" and "⊙")

Status display area (right side of the screen)	Working status	
On Auto	Automatic control status	Contact is <b>ON</b> status
Off Auto		Contact is <b>OFF</b> status
On	The set ON/OFF programs and pulsation programs is invalid	Force <b>ON</b> state
Off		Force <b>OFF</b> state