622 top Conversational programmable timer



Generation

·622 top products introduce new design concepts, adopt the latest international hardware and software technologies, and operate in a simple and understandable manner, allowing users to complete all Settings step by step according to the instructions in the display screen.

·Large LCD display screen, can directly display year, month, day, week, time, 24 hours a day or a week ON/OFF arbitrary Settings, LCD display part without external power supply.

·Simple four-button operation, in a conversational way to instruct the user to input the required Settings, without repeatedly reading

·The complex program setting instructions, as long as the operation once, you will be understand how to proficient.

·Manual ON/OFF is the output state(once effective) function, permanent ON/OFF (permanent effective) function, allowing users to change the output ON/OFF state easily without changing the setting procedure when special and temporary needs to change the output state:

·Up to 96 programs can be set within 24 hours or a week, and the minimum set time interval is 1 minute.

·Up to 96 pulse programs can be set within 24 hours or a week, with a minimum setting time interval is 1 second.

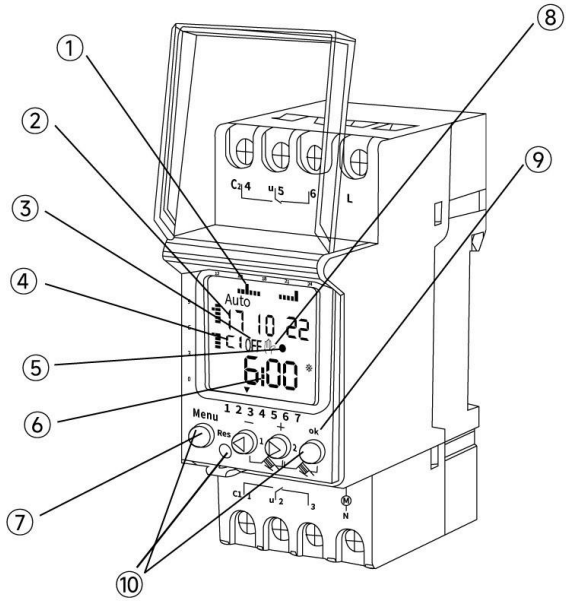
·Up to 24 cycles programs can be set in 24 hours or a week(is 99min).

·622 top control contact is 2-way group 2 (2C).

·In the case of external power supply, the lithium battery stored in the timer can also maintain the timer use for about two years,its contact state cannot change, but the control program is normally changeover.

Main technical parameters

·Power: ■ AC220-240V ■ AC110V
■ AC100-240V ■ AC/DC12-48V
■ AC/DC12-240V ■ AC/DC24-240V
the other voltage specifications can be customized
·Power consumption:max 7.5VA
·Contact capacity:10A/16A/20A AC250V cosØ=1
Control the way:622 top 2way
·Timing benchmark:high quality quartz shock timing
·Timing accuracy:at room temperature (20°C) time differ
·Maximum setting procedure:96
·Minimum setting time:1 minute
·Display:LCD display
·Operation keys:four operation keys plus a reset key
·Storage power:at room temperature(20°C), lithium battery
·Ambient temperature:-10°C ~+50°C
·Storage environment temperature:-10°C ~+50°C
Backlight source: ■ belt ■ without it



① The black stripe shows that the contacts are ON 24 hours a day AUTO means ON/OFF as programmed

② It says the time is six o'clock. Wednesday,17,10,22

③ ON means output ON

④ OFF means output OFF

⑤ ☀ Display daylight saving time function
☀ Display winter time function,What day is it today
▽ (Wednesday is the legend)

⑥ ⫶ Means the timer USES its own power source (no output conversion)
⫶ Indicates that the timer USES an external power source

⑦ Menu " button is the function key for selection.select "PROGRAM","AT/TIME' and "MANUAL" successively. If you have entered the function , press this key to leave or cancel

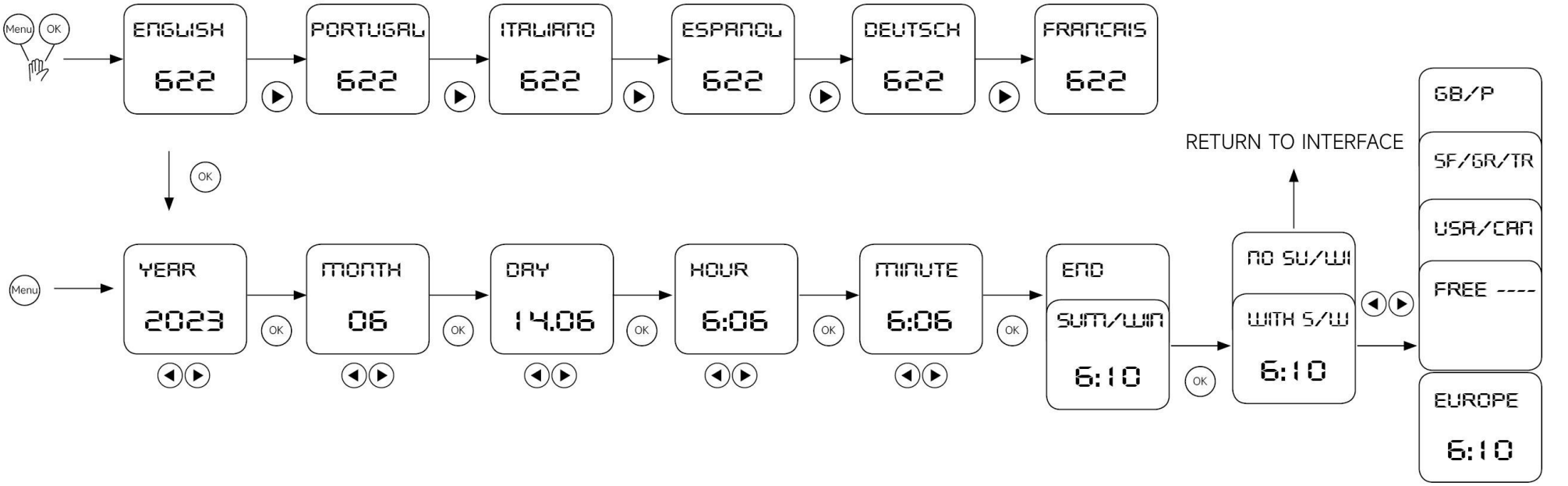
⑧ When displayed ✋● ,it is indicated as manual permanent ON or OFF status , and "PERM ON"or"PERM OFF" is displayed.
When displayed ✋,represents a valid manual ON or OFF state and displays "OVERRIDE"

⑨ 'OK"key to confirm the selection key or enter the program key
"+"key to add value or change options
"-"key to reduce value or change options
"+""-"keys pressed about 3 seconds at the same time put for C1 loop permanent permanent
ON or OFF
"+""OK"Keys at the same time , press the put(C2)for manual ON or manual Off control
(an effective).
"+""OK" Keys press about 3 seconds at the same time put to C2 loop permanent long permanent ON or OFF

⑩ The"Res" button is the Reset button Pressing the"MENU"and"OK" keys simultaneously for (Or press the res key) 3 seconds is also a reset key(However, the last set time of year, month, day, hour and minute,summer and winter time cannot be restored. If you want to modify, you need to enter the time setting program. If the password is set, you must enter the correct password to reset it.Otherwise, it cannot be reset.

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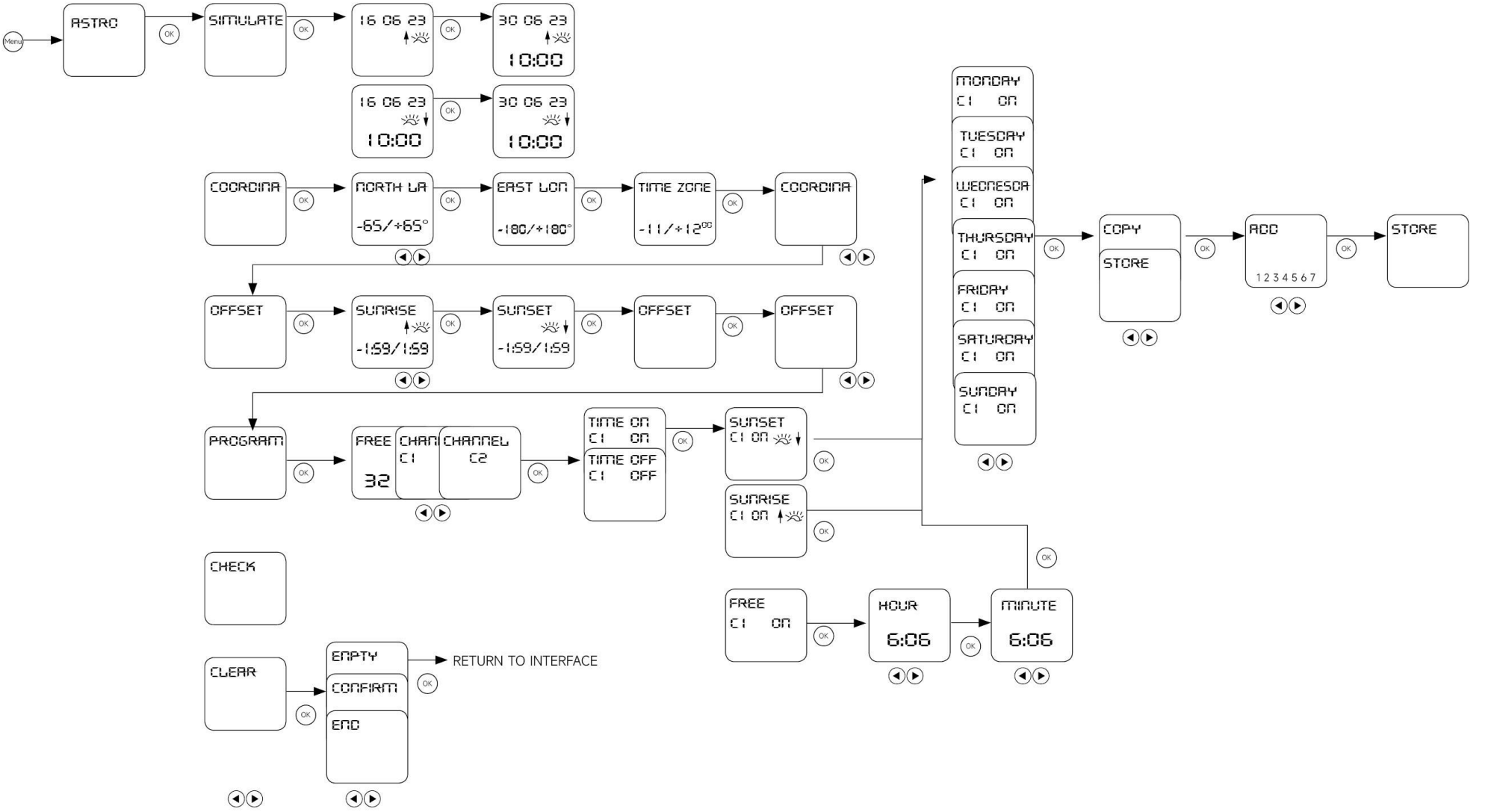
Boot into settings (language selection)



·There are six national languages(English, Portuguese, Italian, Spanish, German, French) , you can choose and change the language.
·Press“Menu”key and "OK”key at the same time， restart timer.
·Timer with backlight function and latitude and longitude function
·Such as if 30s 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.
·ON/OFF time setting, are allowed to make cross setting, should be set according to time order.
·Please don't used in dust, corrosion gas, direct sunlight, rain places.
·Please at used in rated voltage and the regulation of temperature, humidity, storage.
·The Scrap electrical products, it is not allowed processing with the living garbage, it is should be keep where there is facilities for recycling.

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①Astronomical function setting



1.Enter astronomical function setting

Press the “Menu” key to enter the function setting,select the menu “ASTRO”,press the “OK” key to enter the Astronomical Function setting,and the “SIMULATE”flash appears， you can select the relevant functions by moving “RIGHT” or”LEFT”,and press the “OK” to enter the setting.

① Astronomical function setting

2.Sunrise and sunset time view

Select “SIMULATE” the screen, and “SIMULATE”
flash appears. Press the “OK” key to enter the sunrise and sunset time. Move”LEFT” or “RIGHT” to view sunrise and sunset times, press the “OK” key to enter the sunrise and sunset of the next day. Press "MENU" to exit.(Standby for 30 seconds to return to the main page), (When the latitude and longitude or time zone Settings do not match, sunrise and sunset will show sunrise 11:59 or sunset 23:59)

3.Latitude, longitude and time zone settings

Select the“COORDINA”interface and press“OK”key to enter the latitude setting, then press the“LEFT“or“RIGHT“key to adjust the latitude (between NORTH/LA+65 and SOUTH/LA-65), and then press OK key to confirm the selection.After confirmation, directly enter the longitude setting (EAST/LON+180 to WEST/LON-180), press “OK” key to confirm the selection, and then directly enter the TIMEZONE setting (-11 to +12 selection). Default latitude, longitude, and time zone (LAT/N=25,LONG/E=120,UTC=8H). Press the “OK “key to confirm the selection, the page directly returns to the “COORDINA” interface. (Please check the correct latitude and longitude and time zone before setting)

4.Sunrise and sunset offset time settings

Select “OFFSET” interface Settings, enter “SUNRISE”(sunrise time),Offset time (0:00) flashes, press the “LEFT “or “RIGHT “key to adjust the offset time(-1 hour 59 minutes -+1 hour 59 minutes), then press the “OK” key, enter the SUNSET(sunset time -1 hour 59 minutes -+1 hour 59 minutes), and return. “-” Indicates that the time is reduced. OFFSET time of the default SUNRISE(sunrise)=0, SUNSET; OFFSET time (sunset time)=0. (If sunrise or sunset needs to be advanced, set the offset to negative. If sunrise or sunset needs to be delayed, set the offset to positive)

5.Astronomical time setting

Select the “PROGRAM” feature in “ASTRO”,the presence of “FREE” indicates that there are still points that can be set (maximum 32 points).Then go to the channel selection, by moving the channel“LEFT”or“RIGHT”(C1 or C2), press“OK”key enter ON or OFF selection (select by“LEFT”and“RIGHT” keys); press the“OK”key to enter the on or off time mode, and select SUNRISE time, SUNSET time or freely time by moving“LEFT”or”RIGHT”(FREE, you can set the time here). (For example, after selecting FREE, press the “OK” key to enter the HOUR hour and MINUTE minute for setting. Press the “OK” key to select whether it is the same every day or the same for a week. Press COPY and ADD. If it is not necessary, press the right key to move to the past, You can delete one of the days by pressing the “LEFT” or”RIGHT”key to go to DELETE. Press the “OK “key to complete one point astronomical time setting, and then skip to the next point setting in the same way.)

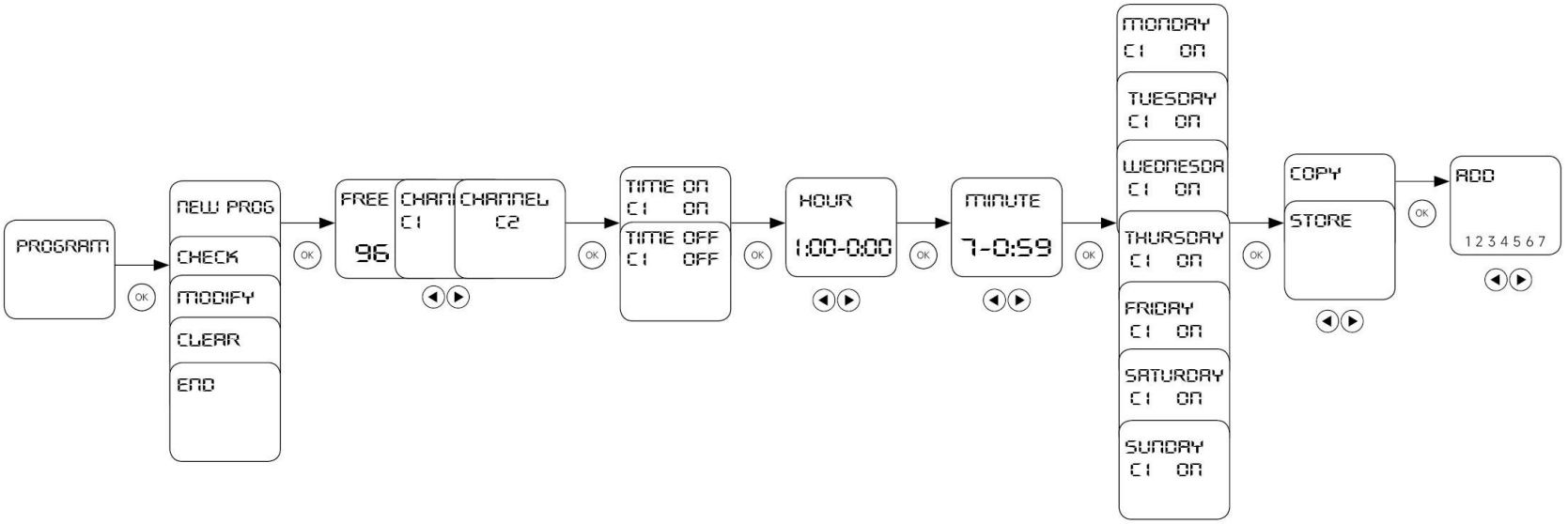
6.CHECK Function. CHECK (FUNCTION).

Select “CHECK”, press the “OK” key to enter the view, ADD or DELETE the set time, press the left or right key to select the view mode (NEXT), ADD(add), DELETE (delete) and END (end), press the “OK” key to enter the corresponding function. If no time program is set, flash EMPTY for 3 seconds and return to the original home page. DELETE(delete) flash, press “OK” key to confirm ,you can delete the set program by group (sunrise and sunset for a group).

7.CLEAR Function .

Press the “OK” key to enter the view, delete the set time, press the “LEFT” or “RIGHT” key to select the view mode (CONF IRM or END), CONF IRM key flashes, press the”OK” key to confirm delete, display”CLEAR” all programs, if there is no set time program, It flashes to display EMPTY for 3 seconds and returns to the original home page.

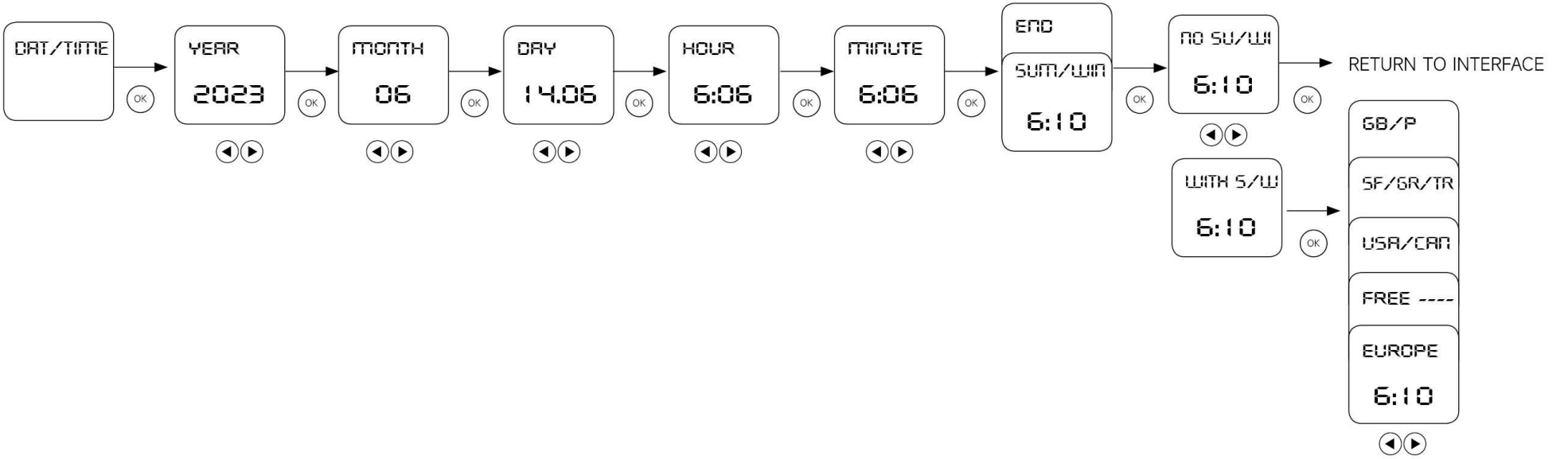
② Program setting



(1)In the general picture,press the Double click "Menu"button(at this time the display screen Display"PROGRAM "),and press"OK"to enter the ON/OFF time course sequence setting function. after entering the function,the display screen will display " NEW PROG " .
(2)Press"OK"key to enter, and"FREE 96"will be displayed at present,96 programs can be set (up to 96 programs can be set,each set up a program to display the serial number of the program will automatically subtract 1).Then show"CHANNEL1"press "+" key or "-" key to change it to"CHANNEL 2" Press"OK" to confirm ,and "TIME ON" will appear, indicating setting the contact ON state Change the "+" or "-" key to"TIME OFF" to indicate settingthe contact "OFF" state, press"OK" key to enter the time setting.Set first after entering Time (several minutes),please according to your requirements to typing the value , each completed step should press"OK" key to confirm, and then set the week to "+" or "-" key to select your requirements, after the completion of the "ok" key, when the screen "COPY" appears to indicate whether to COPY this program to another date,To copy,press"OK";to not copy, press "+" select "STORE"and press"OK"to jump back to the screen"NEW PROG"goes on to set up the next program.
(3)The next program setting with (1),(2)(if you need 96 program can be set according to this complete),after the completion of the program setting can press the "Menu" button to exit the program setting.
(4)Program inspection and editing:in the display of"NEW PROG"by"+" or "-"key to select the required function, after selecting the "OK" key to confirm. "CHECK" means to CHECK the content of the existing program (CHECK daily ON / OFF time by week)
"MODIFY" means to MODIFY the program settings
"CLEAR" means to CLEAR an existing program
"SINGLE" clear SINGLE program, "ALL"clear ALL program settings
"END" means to END program settings
(5)Clear program Settings (see figure 5):
To clear the PROGRAM, go to"PROGRAM"setting.
In general, press"Menu" to enter"PROGRAM"and the press"OK"key to confirm.press"+"or"-"and select"CLEAR"
Press"OK"to confirm. select "SINGLE"clear SINGLE program settings, or select"ALL"clears ALL program settings

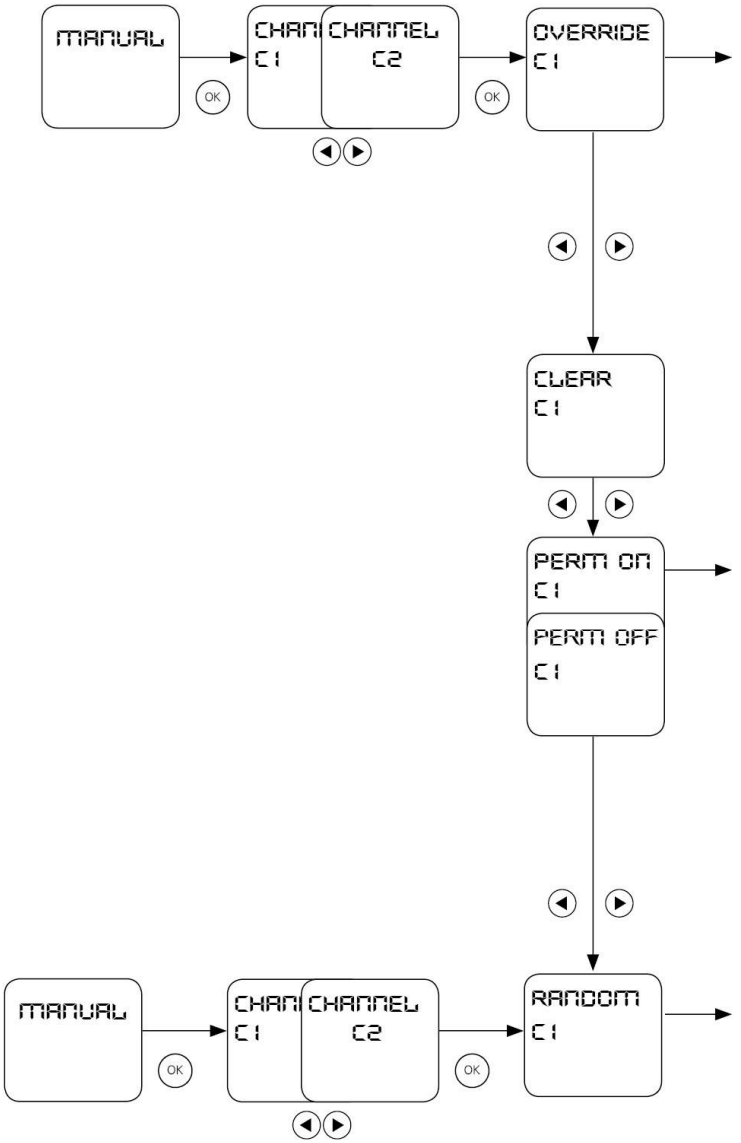
③ Setdate

(1)After selecting the language,the display screen displays "2022" press the "+" or ""-" key to the year you want,press "OK" to confirm. Then the month , the day , time, sec,the setting of time and minutes is the same as the setting year.(that is,after setting the month,press "OK" key to enter the day, after setting the day, press "OK" key to enter, when setting Press "OK" to enter the score).
(2)If only to reset the date,do not need button to reset,just press the "Menu" button under the general screen three times (the display screen displays "DAT/ TIME").
And press"OK"to confirm,enter the year,month,day,hour,minute setting and summer and winter time function selection. Year, month, day, hour and minute are set the same as (1)
(3)After setting the MINUTE, press"OK" button to confirm,"SUM/WIN" (summer/winter) will display,because there are many areas in the world do not have summer and winter time, do not need to make this setting, please press "+" button to select "END", and then press "OK" button to confirm.



(1)Under the general screen, press "Menu" button three times(the display screen shows"DAT/TIME"),and then press"OK"button to enter the setting date function. If you do not need to change the setting,press"OK"button continuously until the display screen shows"SUM/WIN", and then press"OK"button to enter the summer and winter TIME function.
(2)After entering the function, the display screen will display "NO SU/W I"or" WITH S/W,use the" ◀ "or" ▶ "key to change the display NO SU / WI":NO need for summer/winter time function, press" OK"key confirmation can exit the setting;Return to the general picture state; "WITH S /W"requires summer/winter time function, press"OK"button,The"EUROPE"option will be displayed after confirmation, at which point" ◀ "or" ▶ "can be used the hange key,press OK when selected confirmation.

④ Function selection



Override

That is, under the automatic control mode , the output state can be changed manually without affecting the automatic

Function of subsequent programs , which is " an effective output change function once".

(1)Press"Menu" button continuously until the display screen displays "MANUAL", and press "OK" button to confirm entry.

(2)Select "+" and "-" keys . When the display displays "OVERRIDE" press "OK" to confirm the access.

(3)To cancel once , press " Meun" until the screen displays " MANUAL' , press "OK" to confirm entry ,and the screen will display "CLEAR" , press " to confirm and cancel once.

Perm ON / OFF

That is,in the automatic control mode,the output state can be changed manually,without affecting the existence of the set program,but the output state is apersistent state , until manually changing the output state again can cancel this function.

(1)Press"Menu"button continuously until the display screen displays"MANUAL,and press"OK" button to confirm entry .

(2)Through the"+","-"key selection,when the display "PERM ON/OFF",press"OK"button to confirm entry .

(3)To cancel permanent on/off,press"Menu"until the screen displays"MANUAL",press"OK"to confirm entry, and the screen will display"CLEAR"and press"OK" to confirm to cancel.

Random (random)
(random program is off function of superimposed on the original program

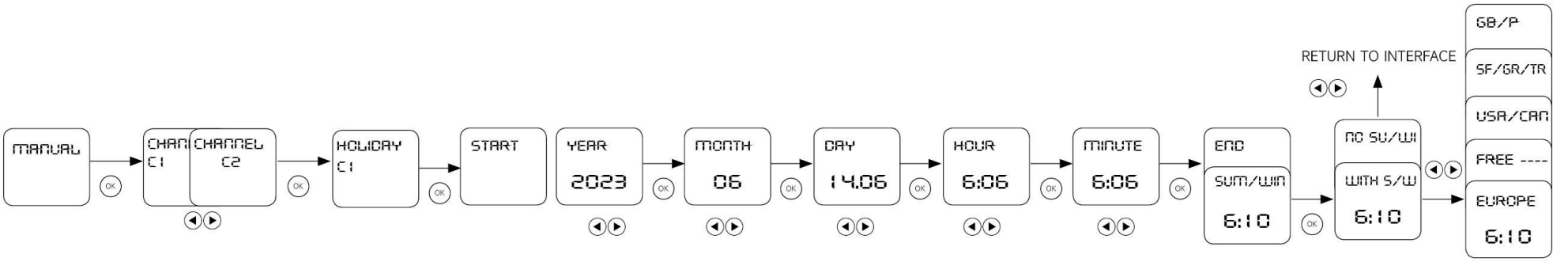
(1)Continuously press"menu"until the display screen displays "manual" press"ok" to enter

(2)Through the"+", "-"key selection, when the display screen when "random", "press"okto confirm to enter the random.andom total it starts with a close , and the random execution time is between about 10 minutes~120 minutes.

(3)To cancel random , press"menu"button until the display screen when"manual"is displayed, press"ok"to enter and select"+"and"-" select , when the display screen displays"rand off"press"ok"to cancel randomization.

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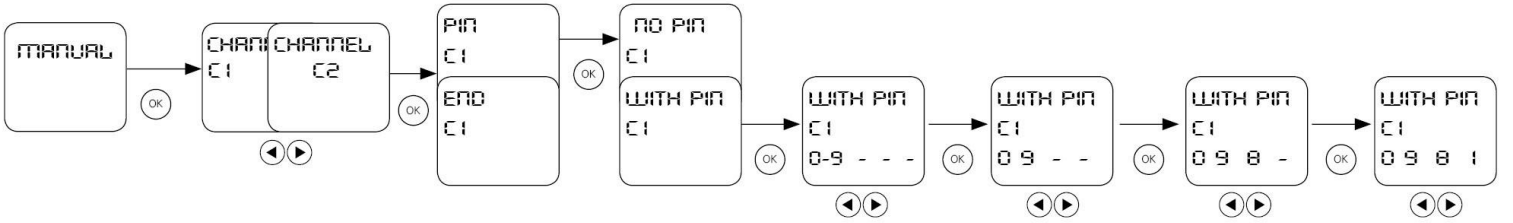
Holiday



(1)Continuously press"menu"until the display screen displays "manual"press"okto" confirm entry . when "holiday" is displayed on the display screen , press "ok" to confirm the entry . then "start" will be displayed , and then enter the settings of "year", "month" and "day" successively . please enter the values of " + " and "-" according to your requirements. next , " end" will be displayed and the setting of "year" "month" and "day" will be entered successively. press "ok" to confirm each setting.

(2)To cancel the holiday setting ,press " menu" until the screen displays " manual" nd press "ok" to confirm entry.select "+" and "-". When the display screen displays " holiday " , press "ok" to confirm; select "clear " and press "ok" to cancel the holiday.

Set a password



When using the built-in power supply, if there is a set date, time and procedures, or stay in the state of language screen, as long as no operation of any button within 3 minutes, the screen will automatically close, to save battery consumption,press any button will restore the original screen set key lock (see figure 9):

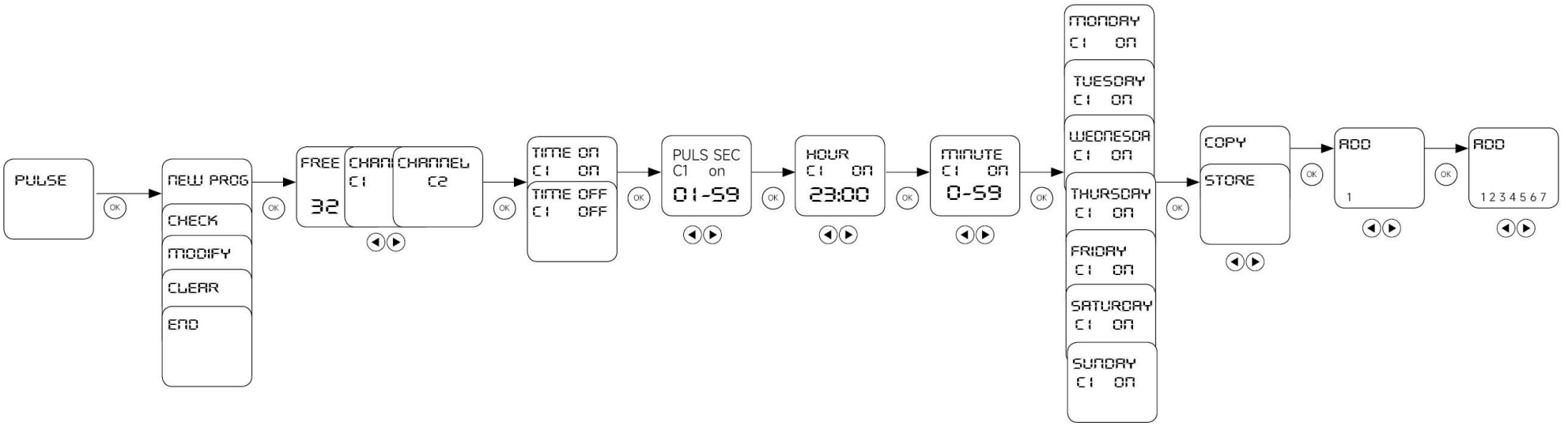
(1)In the general picture, press"Menu" button three times, and "MANUAL" will appear the "MAN" at the top of the screen will continue to flash, press "OK" and then pass select "+" or "-" key to enter "PIN" screen, select "PIN" screen,so if you press OK again you'll see"WITH PIN" or "NO PIN" WITH "+"or the "-" key to select.

(2)Set password: appear "WITH" screen, press "OK" key to enter "PIN" screen,use "+" or "-" key to select 0~ 9 Arabic Number, press "OK" once after setting a number, a total of four digits. (example: if the password is set to 0000, press "OK"for 4 consecutive times to complete the setting), after setting up, be sure to remember the set 4-digit password. Pay attention to, when the password inadvertently forgotten, can only be returned to my company.

(3)After setting, it will directly jump back to the main screen. If you want to change any settings,be sure to enter the correct password before changing it. If the change setting is over 180 seconds without any operation,you need to re-enter the correct password to can be change the settings again.

(4)Remove the password:enter the"PIN"screen press"OK"button, with"+"or"-"key select"NO PIN"screen, press "OK"key again to cancel the password, and the screen will be returned immediately. Installation instructions: DIN RAIL installation

⑤Pulse setting



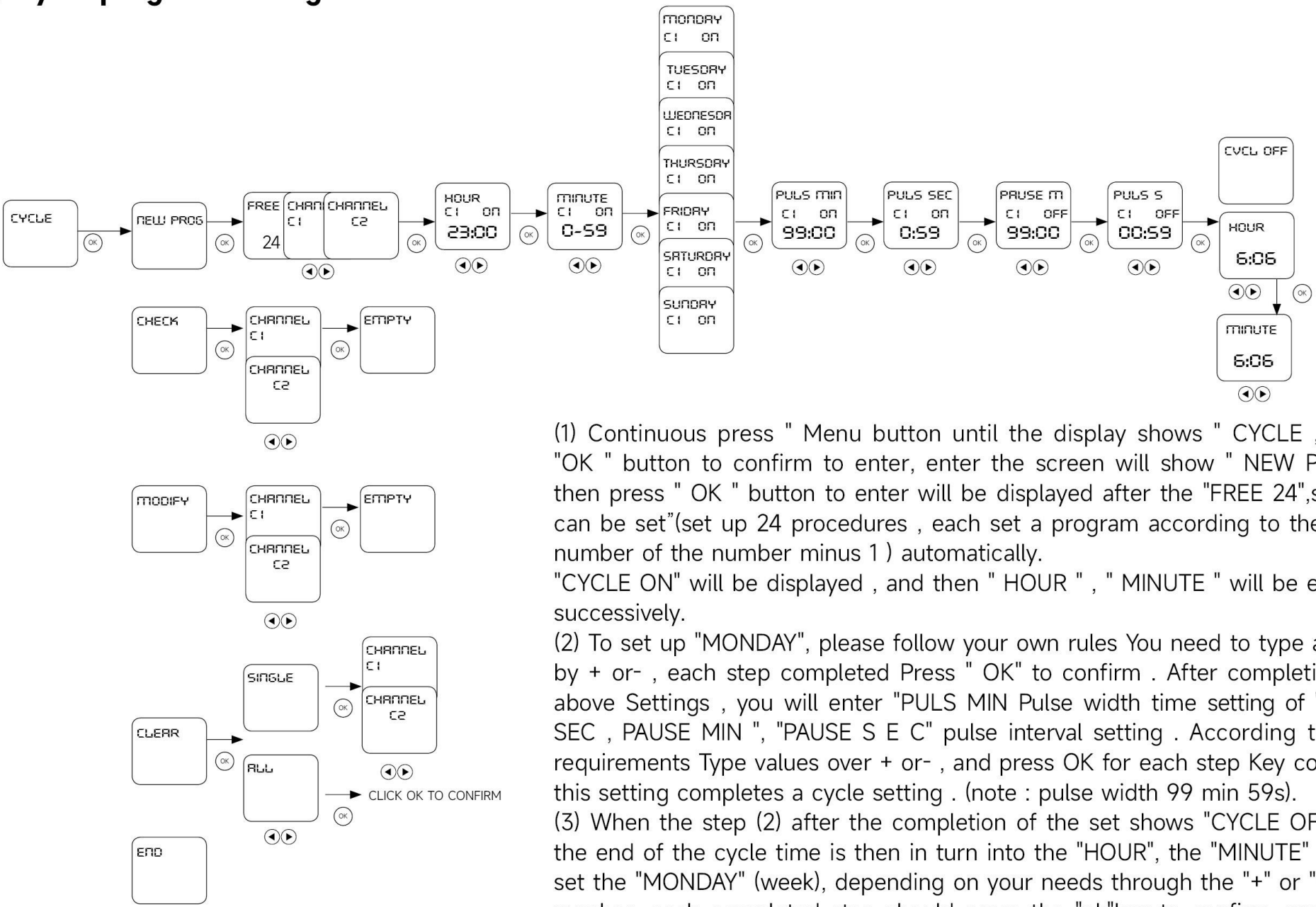
Pulse state (on/off): continuously press the"menu"button to the display screen when pulse is displayed , press "ok" to confirm entry , and the display screen will display "New prog"and press"ok" to enter , "free 96"will be displayed to indicate the current status can set up 96 procedures (up to 96 procedures , each set a program display the program serial number will be automatically subtracted by 1) .

press"ok"to confirm , and then"time on"will appear. at this time, press"+"or"-"to changeover between"time on/time off", and press "ok"to confirm.

(2)Pulse width setting:"puls secretary"will be displayed . typing the required value by"+"or"-"key (1 second pulse width 59 seconds) and press"ok key to confirm .

(3)Pulse start time(hour , minute)setting:please according to your needs to find the value by +"or"-"key , and then set the week , also to"+"or "-"key to select your requirements , each step should be completed by pressing the"ok"key recognize that when the screen appears"copy"indicates whether to copy the program to it to copy it, press"ok";to not copy it , press"+""store"press"ok"and the screen will jump bac to"new prog"set up the next program.

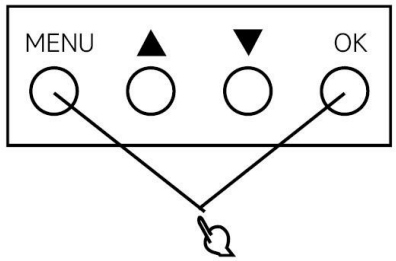
⑥ Cycle program setting



(1) Continuous press " Menu button until the display shows " CYCLE , press "OK " button to confirm to enter, enter the screen will show " NEW PROG " then press " OK " button to enter will be displayed after the "FREE 24",said 24 can be set"(set up 24 procedures , each set a program according to the serial number of the number minus 1) automatically.
"CYCLE ON" will be displayed , and then " HOUR " , " MINUTE " will be entered successively.
(2) To set up "MONDAY", please follow your own rules You need to type a value by + or- , each step completed Press " OK" to confirm . After completing the above Settings , you will enter "PULS MIN Pulse width time setting of " PULS SEC , PAUSE MIN ", "PAUSE S E C" pulse interval setting . According to your requirements Type values over + or- , and press OK for each step Key confirm , this setting completes a cycle setting . (note : pulse width 99 min 59s).
(3) When the step (2) after the completion of the set shows "CYCLE OFF", set the end of the cycle time is then in turn into the "HOUR", the "MINUTE" points, set the "MONDAY" (week), depending on your needs through the "+" or "-" type number, each completed step should press the "ok"key to confirm, press the "ok"key to save the picture is to jump back to the "NEW PROG" and then the next set of the program.

Reset of the device

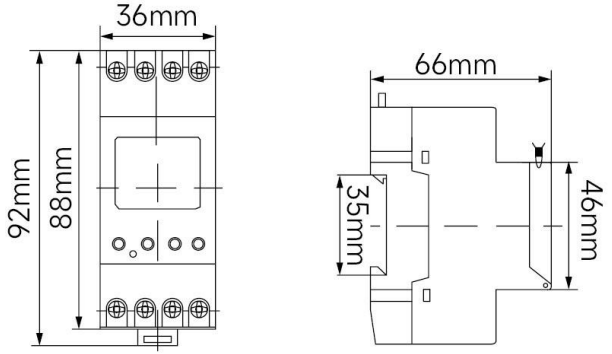
Press the four keys simultaneously for 0.5 seconds to reset automatically
The data restored to factory settings.

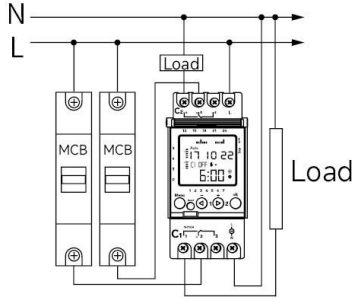


MENU ○ Enter main menu ○ Back to main menu	OK ○ Confirm selection
○ Select menu ○ Decrease a numerical value	○ Select menu ○ Increase a numerical value
C1 ○ C1- manual operation	OK C2 ○ C2 manual operation

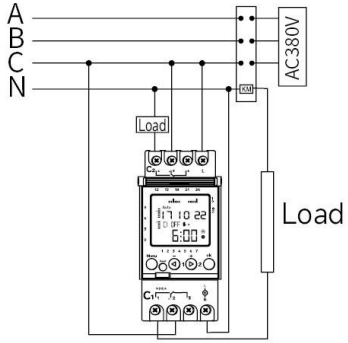
Keys combination

ATUO/MANUAL	
C1	Press ◀ ▶ 7 keys simultaneously for 0.5s, the output state of channel 1 switches to MANUAL.When the output states of other operation modes was changed, Manual mode exits automatically.
OK C2	Press ▶ and OK" keys simultaneously for 0.5s, the output state of channel 2 switches to MANUAL. When the output states of other operation modes were changed, Manual mode exits automatically.
PERM ON/PERM OFF	
C1 > 2s	Press◀ ▶keys simultaneously for 2s, the output state of channel 1 switches to PERM ON/PERM OFF. Flashes
OK C2 > 2s	Press▶ and ,Ok" keys simultaneously for 2s, the output state of channel 2 switches to PERM ON/PERM OFF. Flashes





Single phase 220V



Three phase 380V