



## 1. The button description and function introduction

### 1-1.Key Description

- Key A: In normal time mode, short press to enter the city data (time zone, prayer time calculation method), time and Gregorian date and HIJRA calendar setting mode;
- Key B: Switched in each function mode or select the value to be adjusted under the setting mode.
- Key C: ①In the normal time mode, short press the pointer of the watch to point to the direction of Mecca; ②Short press in some function mode or setting mode, the value increase upward, long press is fast increment;
- Key D: ①In the normal time mode, short press to light the backlight while viewing the next prayer time or switch to the date and time mode; ②Decrement or select in the function mode or setting mode, long press is fast decrement; ③Long press for 3 seconds to switch to HIJRA date and time display mode;

### 1-2. Function introduction

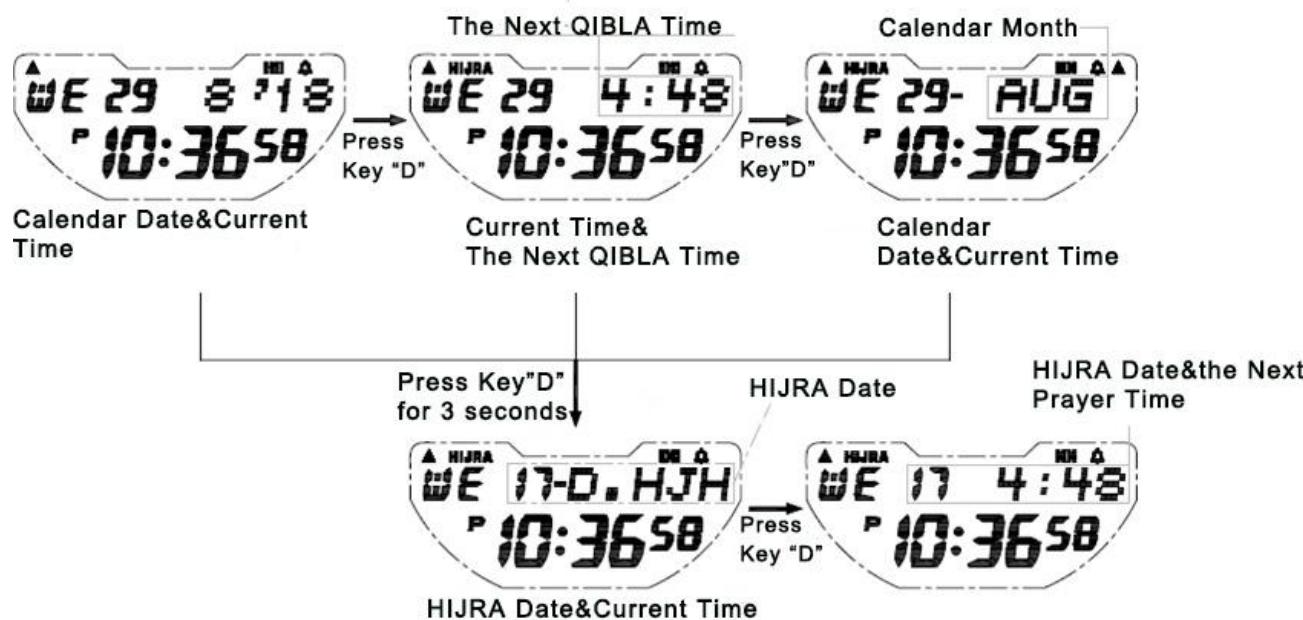
- Normal time mode, displaying hours, minutes, seconds, months, days and weeks;
- Prayer time mode;
- HIJRA date mode;
- Alarm function;

- Hourly chime function;
- The electronic compass moves automatically in the direction of Mecca;
- Electronic compass mode;
- EL backlight;

## 2. The switching between each functional mode



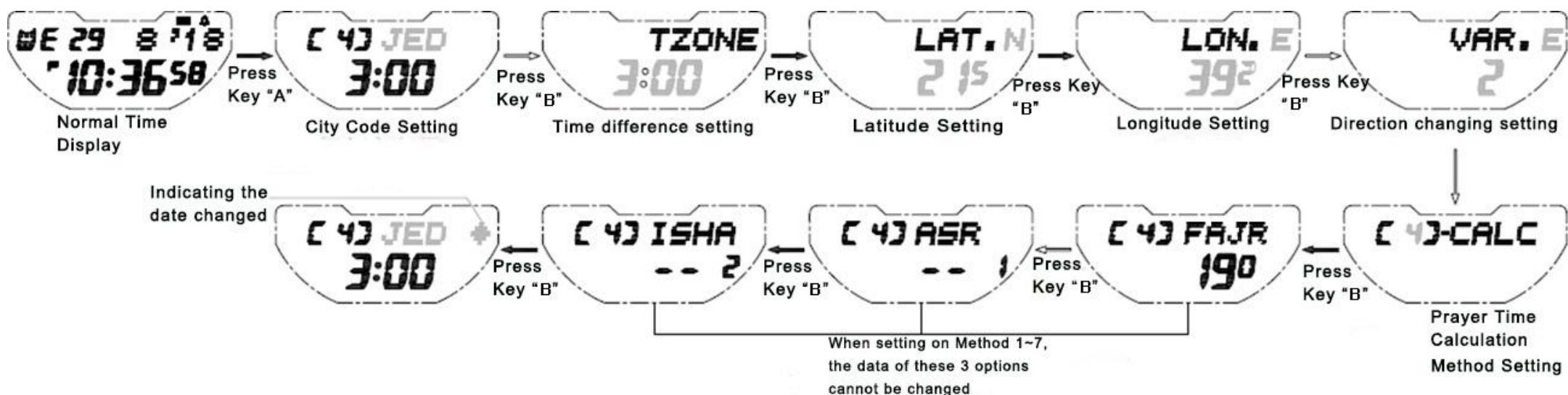
## 3. The timing mode



## 4. Use the city code and set the city data

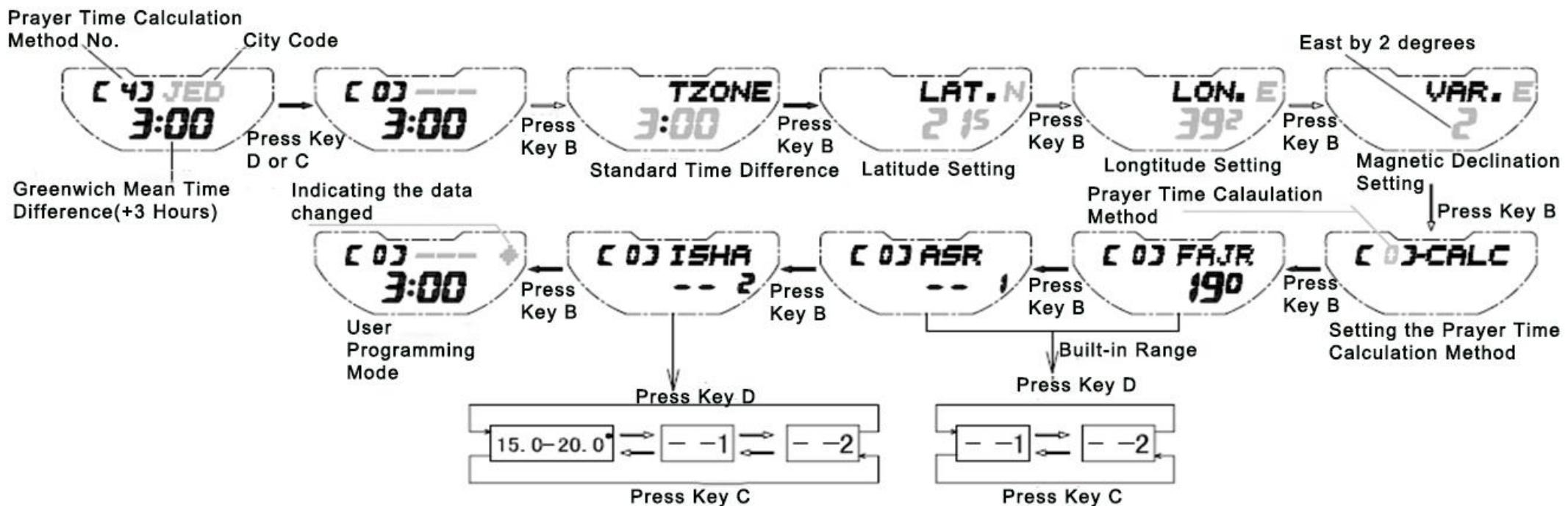
- About city data:  
From the city data (see the city data table on the last page), you can tell the watch where the watch is located to calculate other data.
- Whenever you move from one city to another, you need to change the settings for city data, including GMT, latitude, longitude, and the magnetic declination of your city;
- Input of standard data: You only need to select one of the 30 city codes pre-programmed by the watch, and the watch will automatically call other relevant data. When switching between daylight saving time and standard time, you need to change the setting of GMT time difference;
- Raw data input: With this method, you can set the data for each item yourself, or you can use the edit city to pre-program city data or enter new data; (see 4-1Usage of the preset city code data and data settings).
- In the next prayer, the morning and afternoon are not shown. This time only applies to the current date. Therefore, after Isha, Isha prayer time is still on the display, and the next prayer time will be changed to Fajr after midnight.

### 4-1. Usage of the preset city code data and data settings



- > In the normal time mode, press the key A, the city code flashes at this time (the gray flashes in the figure); press the key C or the key D to select the city code you want;
- > After selecting the city code, press B to enter the GMT time difference setting, and the GMT time will flash (the flashing in gray in the figure). Press C or D to set the selected item (note that sometimes it is necessary to adapt to the daylight saving time changes);
- > The watch does not operate any key within 1 minute, the watch will automatically confirm the current settings and return to the normal time mode;  
If you switch from the changed pre-programmed city data to the data setting of another city code, the changed data will automatically reset the currently set data to its initial value. The originally set city code data will also be automatically reset to the original programming data. If you wish to return to the originally set city code and data, you must make changes on the relevant data again;

## 4-2. Original city data settings



- If you need input of new data, please adjust the city code to (---);
- After adjusting to (---) in the city code selection state, press B to enter the GMT time difference setting, press C or D to change the time difference, and change the time difference in 15 minute increments or decrements;
- The time difference ranges from -11 hours to 13 hours and 45 minutes of GMT time difference;
- After setting the time difference, press B to enter the latitude setting, and press C or D to adjust the latitude value in the built-in range (this value refers to the data table on the last page);
- After setting the latitude value, press B to enter the longitude setting, and press C or D to adjust the latitude and longitude value in the built-in range (this value refers to the data table on the last page);
- After setting the longitude value, press B to enter the magnetic declination (this value refers to the data table on the last page) setting, press C or D to adjust the magnetic declination within the built-in range;
- If you switch from the pre-programmed city data to another city code setting data, the changed data will automatically reset the currently setting data to its initial value. The originally setting city code data will also be automatically reset to the original programming data. If you wish to return to the originally set city code and data, you must make changes again;

## 5. Calculation method of prayer time

### 5-1. Calculation method of prayer time

- The method used to determine prayer time is different between different countries and areas (especially Fajr, Asr and Lsha); this watch has seven built-in prayer time calculations that can calculate the Prayer time of each geographic regions of the world;
- The watch can also calculate Fajr, Asr and Lsha by its own calculation method; refer to the following table for the calculation of prayer time:

Normal	Type of Calculation Methods			Applicable Region
	FAJR	ASR	ISHA	
1	18.0°	--1	17.0°	Europe, Turkey, Fast East
2	18.0°	--1	18.0°	Afghanistan, Palestine, India, Bangladesh
3	18.0°	--2	18.0°	Kuwait, Iran
4	19.0°	--1	--2	Saudi Arabia
5	19.5°	--1	--1	Bahrain, Qatar, Oman, UAE
6	20.0°	--1	18.0°	Africa, Lebanon, Jordan, Syria, Iraq, Yemen, CO-NUS, Indonesia, Malaysia, Singapore
7	--1	--1	--1	UK
0	15.0°	--1	15.0°	User programming

- The numbers 1~ 7 are preprogrammed calculations that are used to specify the desired calculation method. And 0 is the calculation method that is for user-defined.
- The degree value in the above table (eg 18.0) indicates the angle of the sun below the horizon. The values -1 and -2 have the following meanings:
  - ① FAJR --1 : 90 minutes before sunrise; -2: 120 minutes before sunrise;
  - ② ASR --1: the length of the shadow is equal to the length of the object; -2: the length of the object is doubled;
  - ③ ISHA --1: 90 minutes after sunset; -2: 90 minutes after sunset, 120 minutes after sunset during Ramadan, when the sun angle of the "0" category is lower than the horizon, you can change the -1 or -2 settings of the category "0";

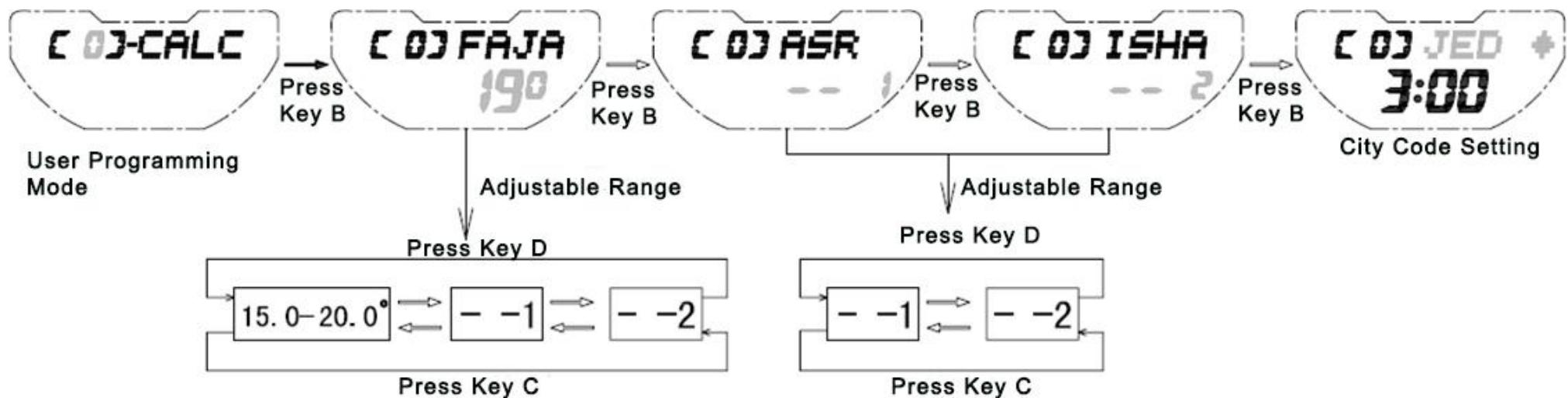
- > For the sun angle below the horizontal line, the solar angle difference per degree is approximately equal to the 4 minute time difference;
- > The pre-programmed prayer time calculation method for this watch is the mainstream calculation method with wide applicability. But there are other calculation methods.

## 5-2. Setting of prayer time calculation method



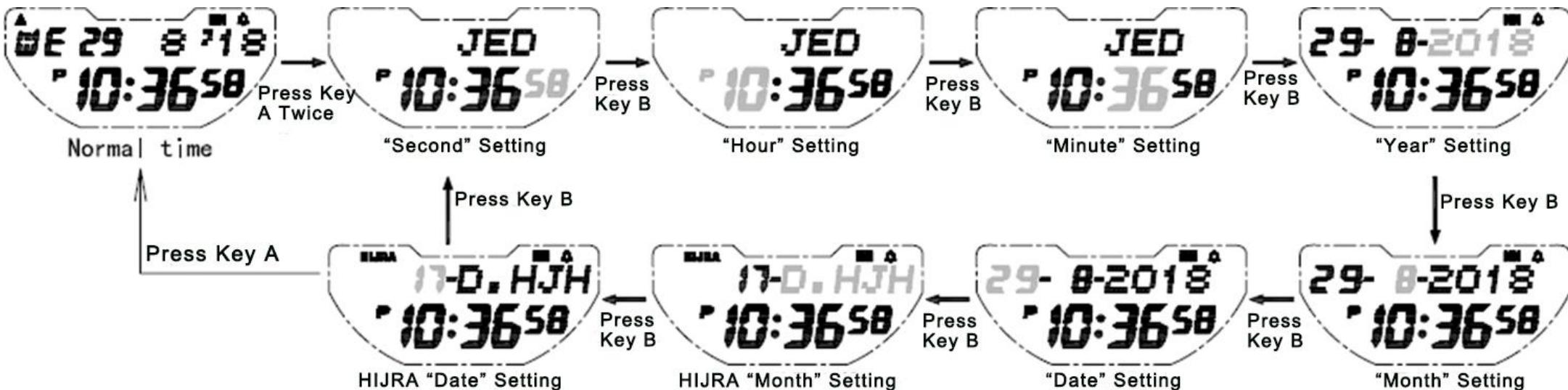
- > In the normal time display, press the key A , then press the key B 5 times to enter the prayer time calculation method setting screen, the number indicating the calculation method is flashing;
- > Press C or D to adjust the calculation method of prayer time; when 0 is selected, this method is a method of calculating the prayer time by user programming and inputting relevant data by itself (see 5-3 for details);

## 5-3. Calculation of prayer time -- user programming



- In the setting prayer time calculation method, select the “0” for the calculation method, and then press the key B to enter the next relevant data setting screen;
- For related data, refer to the data table at the last page and press D or C to adjust to the appropriate data.
- After completing the setting, press the key A twice to confirm the setting and return to the normal time screen, or if there is no button operation within one minute, the watch will automatically confirm the setting and return to the normal time screen;

## 6. Time and date settings



- > In the normal time mode, press the key A twice to enter the time setting mode, the second is flashing, indicating that the second is selected;
- > If the number of seconds is in the range of 00-29, the value of the minute will not change. When it is adjusted at 30-59, the value of the minute will increase by one minute.
- > Press key B to select the next value to set, press key D or key C to adjust the selected value;
- > After completing the setting, **press the key A to confirm the setting and return to the normal time screen**, or if there is no button operation within one minute, the watch will automatically confirm the setting and return to the normal time screen;

## 6-1. Date code comparison table

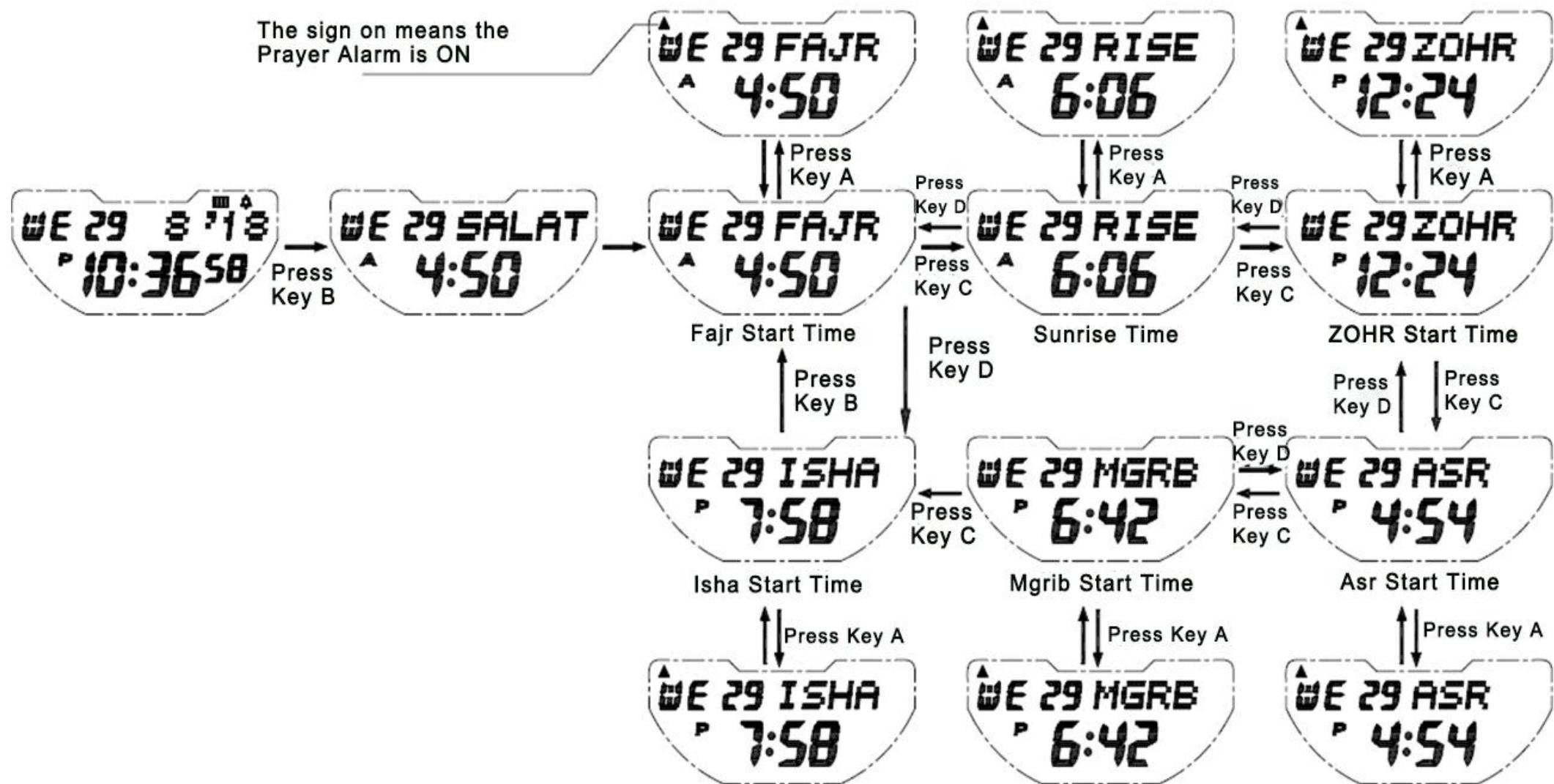
1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MUHRM	SAFAR	RAB I 1	RABI 2	JUMD1	JUMD2	RAJAB	SHABN	RAMDN	SHWAL	D. QDH	D. HJH

## alarm and hourly chime setting



- In the alarm mode, press the key A to flash the “Hour” value on the screen to indicate that it is selected. Press D or C to adjust its value.
- Press key B to select the next value to set, press key D or key C to adjust the selected value;
- After completing the setting, press the key A once then press key B to confirm the setting and return to the normal time screen, or if there is no button operation within one minute, the watch will automatically confirm the setting and return to the normal time screen;
- Turn the hourly and daily alarms on or off. In the alarm setting mode, press the key D to turn it on or off .
- When the daily alarm is turned on, when the alarm rings, the alarm lasts for 20 seconds without any key operation, and press any key to stop the alarm that is ringing;
- When the hourly chime is turned on, the watch will beep once every hour (Bi, Bi);

## 8. Prayer time Mode and Prayer Alarm Setting ON and OFF



### 8-1. About prayer time

- The prayer time is automatically calculated based on the time, date, city data, and the setting of the prayer time calculation method that you identified in the normal time setting; based on this, you need to ensure the values in the above setting mode is correct;
- When each prayer time comes, if the prayer alarm is turned on, the prayer alarm continues to ring for 10 seconds. Press any key to stop ringing;
- Sunrise time is not indicated as prayer time;
- In prayer mode, use the C or D button to view each prayer time, and each prayer time is accompanied by a prayer time indicator that tells you what prayer time is being viewed;

### **8-2. Turn prayer bells on and off**

- To enter the prayer time mode, press the key A to turn the prayer alarm on or off. When it is turned on, the small triangle in the upper left corner of the display will be displayed (see the operation flow chart above).
- The alarms for prayer time can be turned on and off one by one;

### **8-3. Notes on prayer time**

- The accuracy of the prayer time value of this watch is within ±5 minutes compared to astronomical calculations;
- When the time zone or geographic area of the watch is changed, make sure to set the city data, the prayer time calculation method and the current time in the timekeeping mode correctly.
- In countries and regions that use daylight saving time, the GMT time difference needs to be adjusted.
- If the above settings are not made correctly, the watch cannot calculate the correct prayer time.

## **9.Determine the direction of worship**

### **9-1. Notes on the determination of the direction of worship**

- Use an electronic compass to determine the direction of the pilgrimage, and you need to pay attention to using it correctly.
- The direction of the pilgrimage cannot be accurately determined in the motor vehicle; for detailed notes, please refer to (11-2 Precautions for the use of the electronic compass).

- Set the correct city data or city data adjacent to the location of the watch;
- If the watch is worn on the hand, it must be worn horizontally, otherwise the electronic compass may point in the wrong Prayer direction;

## 9-2. Determine the direction of worship



- In the normal time mode (if the watch is not in the normal time mode, you need to press the key B to return to this mode), press the key C to view the direction of worship.
- When the key C is pressed, “MECCA” will appear briefly on the display, and the pointer of the watch will soon turn to the direction of worship;
- The watch will perform this operation for 90 seconds;

## 10. HIJRA date mode



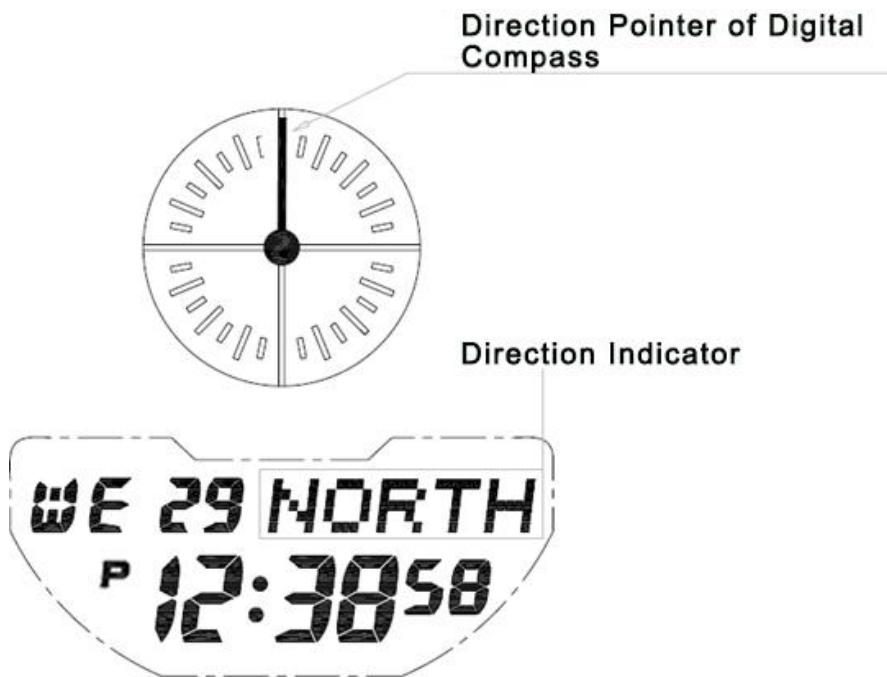
- > In the HIJRA date mode, you can scroll through the dates to display the Sheila date and the Gregory date.

### **10-1.Show specific date**

- > In the Hijra Date mode, press the key C to view the advanced date and press D to return to the current month's date. Returning back in the current month is the date of the next month (NEXT YEAR)
- > The date of advancement can be up to one year in advance;
- > When the date is advanced to January 1, the date of the current time is the date of the following year, and “Next year” will be displayed on the display;
- > When the watch leaves this mode, and enters the Hijra date mode again, and the display will automatically change to the current Hijr and the Gregory date according to the setting of the local time mode;

## **11. Electronic compass mode**

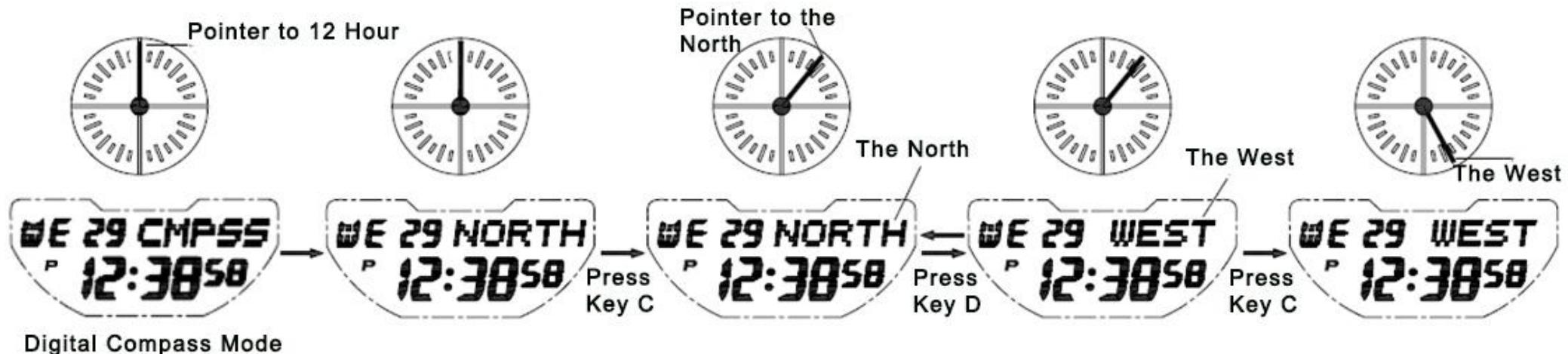
### **11-1. About electronic compass**



- In the electronic compass mode, the watch can be pointed in the direction you choose, and the watch can be selected in 16 directions;
- The electronic compass needs to be calibrated before use;
- The 16 directions of the watch are as follows:

Indicator	Direction	Indicator	Direction	Indicator	Direction	Indicator	Direction
<b>NORTH</b>	north	<b>NNE</b>	<b>North northeast</b>	<b>NE</b>	<b>northeast</b>	<b>ENE</b>	<b>East-north</b>
<b>EAST</b>	east	<b>ESE</b>	<b>East-southeast</b>	<b>SE</b>	<b>southeast</b>	<b>SSE</b>	<b>South-southeast</b>
<b>SOUTH</b>	south	<b>SSW</b>	<b>South-southwest</b>	<b>SW</b>	<b>southwest</b>	<b>WSW</b>	<b>South-southwest</b>
<b>WEST</b>	west	<b>WNW</b>	<b>West-northwest</b>	<b>NW</b>	<b>northwest</b>	<b>NNW</b>	<b>North-northwest</b>

- > The use of the electronic compass is as follows:

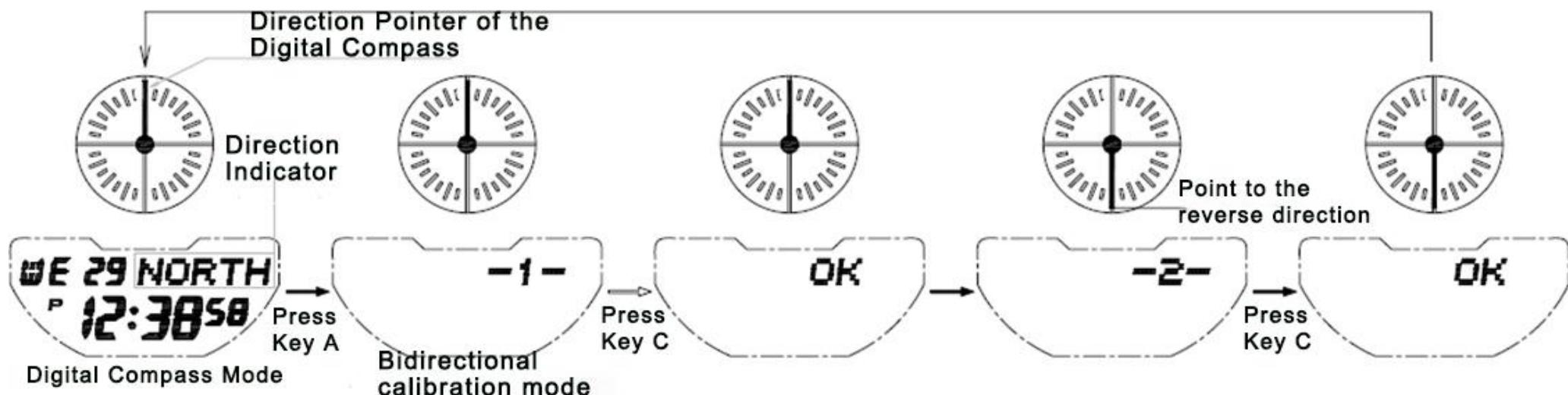


## 11-2. About the notes and calibration of the electronic compass

- > This watch has a built-in geomagnetic sensor that detects the magnetic direction of the geomagnetic surface;
- > The north direction of the watch is magnetic north, and the angle between true north and magnetic north is called magnetic declination;
- > The watch cannot be placed close to objects with strong magnetic fields, which can cause relatively errors in the reading of the electronic compass. Therefore, watches need to be operated away from objects of the following types, such as permanent magnets, high-voltage wires, high-density structural parts, high-power appliances or electronic devices (such as personal computers, televisions, air conditioners, etc.);
- > If the watch is in a car, airplane, train, or ship's warehouse, the watch cannot indicate the correct direction;
- > The watch is also not ready to indicate direction in the interior of the reinforced concrete structure;

- When the direction accuracy indicated by the watch is low or the watch moves to a different area, the electronic compass of the watch needs to be calibrated before it can be used normally or get the right direction;
- When the watch shows BATT, it indicates that the battery capability is too low, and the electronic compass function cannot be operated.
- When the watch display shows ERROR, it means that the electronic compass is not getting the correct direction. At this time, you should try to move the other position and then operate the electronic compass.
- The correction of the electronic compass is to perform bidirectional calibration before the north direction calibration. When using the electronic compass of the watch for the first time, it is necessary to perform bidirectional calibration and north direction calibration of the watch;

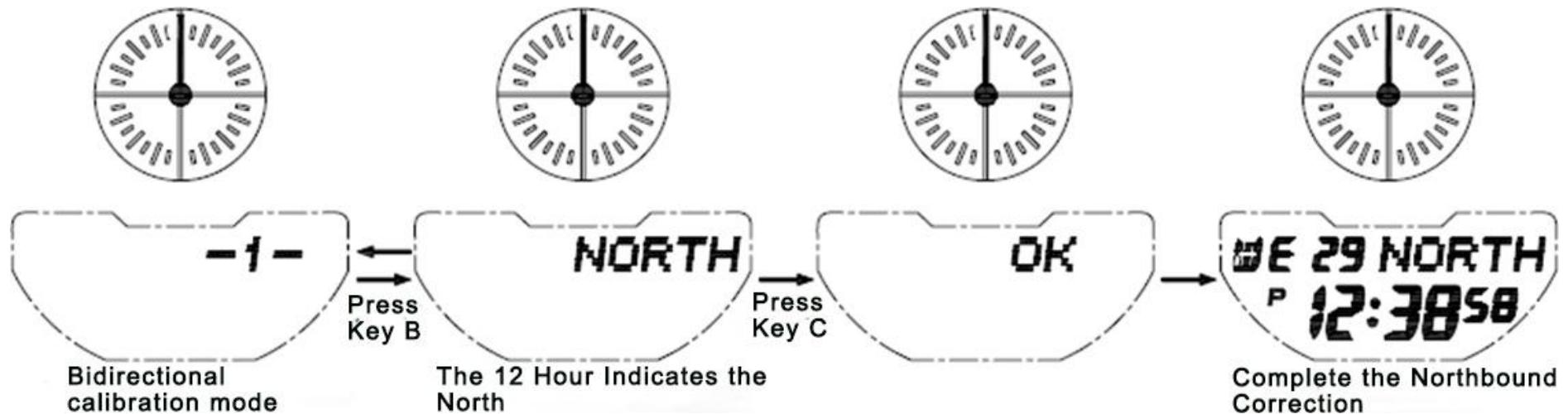
### 11-3.Electronic Compass Calibration---Bidirectional Calibration



- In the electronic compass mode, press the key A to enter the electronic compass bidirectional calibration mode;

- Before making corrections, the watch needs to be placed horizontally or level with the horizon;
- Correct the first direction. In the bidirectional calibration mode, press the key C. The watch at this time needs to be at rest. Waiting for the display to appear “OK” which indicates that the calibration in the first direction has been completed.
- While the display shows “2”, the watch direction indicator will turn in 180 degree. At this time, the watch should be turned in 180 degrees, then the second direction calibration can be started. The calibration operation is the same as the calibration first direction.
- When the calibration in both directions is completed, the watch will automatically return to the electronic compass mode.

#### 11-4.Electronic Compass Calibration ---Northbound Correction

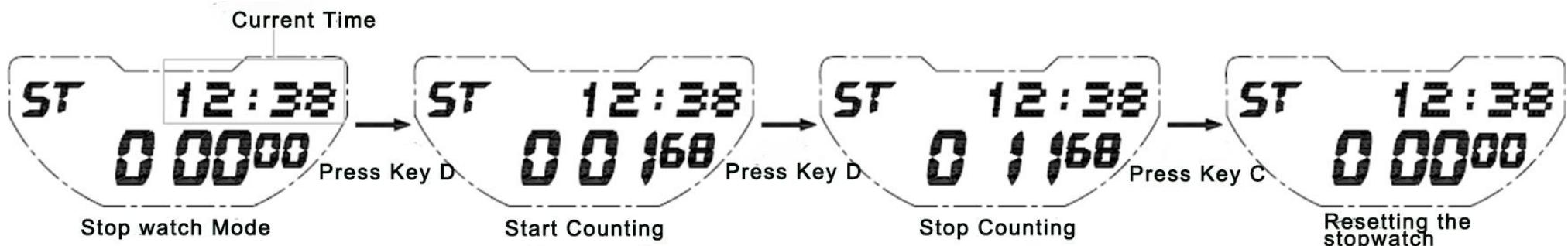


- In the bidirectional calibration mode of the electronic compass, press the key B (as shown above) to enter the north direction correction mode;
- You need to prepare another compass to find the north direction before proceeding to the north direction calibration mode;
- At this point, we point the 12H position of the watch to the north direction, press the key C, and when

the display shows OK, the watch completes the north direction calibration and automatically returns to the electronic compass mode;

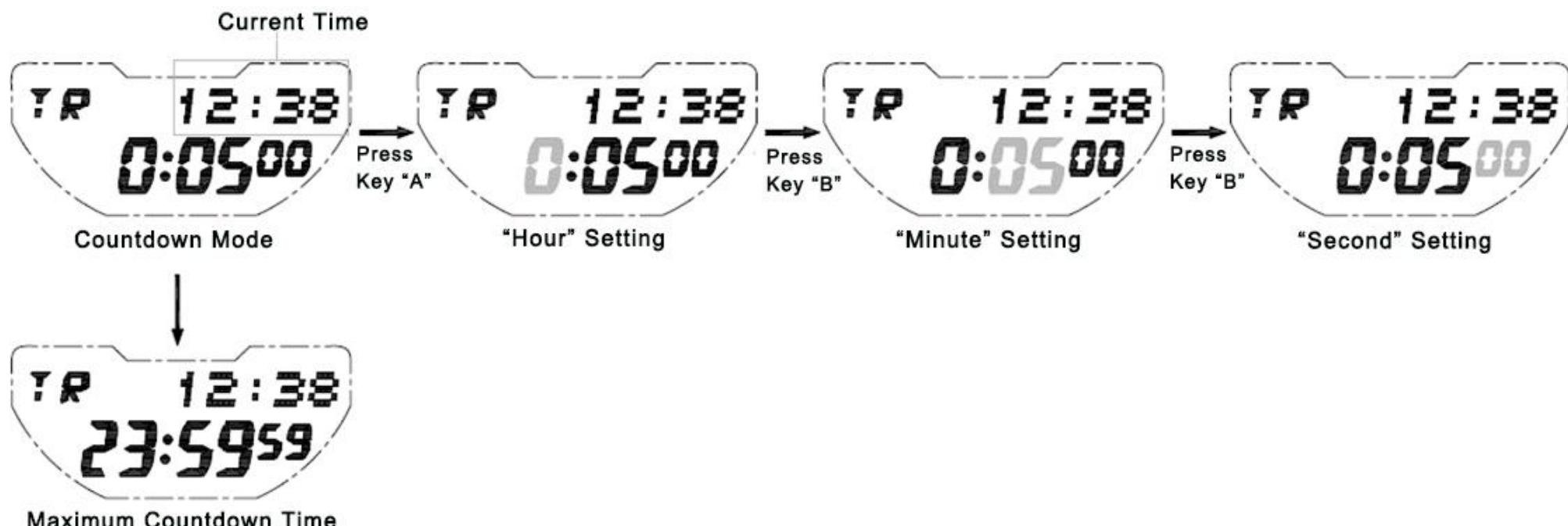
## 12. Stopwatch mode - stopwatch use

- In stopwatch mode, press D to start the watch, then press D, the stopwatch stops timing;
- After the stopwatch stops, press C to reset the stopwatch;



## 13. Countdown mode - use of countdown

### 13-1. Countdown settings



- Press the key A to enter the countdown setting mode;
- At this time, the “hour” value is selected, press C or D to adjust the “hour” value; long press to quickly adjust;
- Press key B to select the value you want to adjust, press key C or key D to adjust the selected value;
- The maximum time that can be set by the countdown is: 23:59:59.

## 13-2. Countdown use



- After setting the countdown, press D to start the countdown, then press D to pause the countdown;
- When it paused, press the key C to return to the countdown mode, and the countdown time is displayed as the original preset time;
- At the end of the countdown, the watch will have a “Bi-Bi-Bi” tone for 10 seconds. During the beep, press any key to stop the beep.

## 14. Built-in City Code List

City Code	City Name	TZONI	LAT	LON	VAR	CALC
NYC	New York	-5	40.8N	73.9W	13W	6
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LON	London	0	51SN	0.2W	5W	7
CAS	Casablanca	1	33.7N	7.6W	5W	6
PAR	Paris	1	48.9N	2.4W	3W	6
MRS	Marseille	1	43.3N	5.4W	0E	6
ROM	Roma	1	44.3N	26.1W	2W	6
BER	Berlin	1	52.5N	13.4E	1E	6
MUC	Munich	1	48.1N	11.6W	2W	6
MAD	Madrid	1	40.4N	3.7W	0	6
OPO	Porto	1	41.1N	8.4W	2E	6
ALG	Algeria	1	36.8N	3.0E	2W	6
TUN	Tunisia	1	36.8N	10.2E	0E	6
BUR	Bruxelles	2	50.8N	4E	3W	6
IST	Istanbul	2	41.0N	29.0E	3E	1
CAI	Cairo	2	30.1N	31.3E	2E	6
KAT	Kaitaia	2	15.6N	32SE	1E	6
BEY	Beirut	2	33.9N	35SE	3E	6
PS	Palestine	2	31.5N	35.1E	3E	6
AMM	Amman	2	30.0N	35.9E	3E	6
DAM	Damascus	2	33.5N	36.3E	3E	6
MOW	Moscow	3	37.6N	55.8E	9E	
JED	Jeddah	3	21.5N	39.2E	2E	4

RUH	Riyadh	3	24.7N	46.5E	3E	4
BGW	BaghdadSana	3	33.3N	44.4E	3E	6
SAH	Sana	3	15.4N	44.2E	1E	6
KWI	Kuwait	3	29.3N	48.0E	3E	2
BAH	Bahrain	3	26.2N	50.5E	2E	5
DOH	Doha	3	25.3N	51.6E	2E	5
THR	Teheran	3.5	35.7N	51.4E	4E	2
DXB	Dubai	4	25.2N	55.1E	1E	5
MCT	Muscat	4	23.6N	58.6N	1E	5
KBL	Kabul	4.5	34.5N	69.2E	2E	3
KHI	Karachi	5	24.9N	67.0E	0E	3
DEL	New Delhi	5.5	28.7N	77.2E	0E	3
DAC	Dakar	6	23.7N	90.4E	1W	3
JKT	Jakarta	7	5.1S	106.8E	0E	6
KUL	Kuala Lumpur	8	3.1N	101.7E	0E	6
SIN	Singapore	8	1.3N	10.38E	0E	1
HKG	Hongkong	8	22.3N	114.2E	2W	1
TYO	Tokyo	9	35.7N	139.5E	7W	1
RIO	Rio de Janeiro	-3	22.6N	43.1W	0E	6

## Original City Code List

中东 Middle East						
City		TZONI	LAT	LON	VAR	
Abadan	阿巴丹	3.5	30N	45E	3E	
Asha	阿沙	3	18N	43E	2E	
Abu Dhabi	阿布扎比	4	25N	54E	1E	
Adana	阿达纳	2	37N	35E	4E	
Aden	亚丁	3	13N	45E	1E	
Sakakah	塞卡凯	3	30N	40E	3E	
AL-Khaluf	阿尔哈鲁福	4	21N	55E	1E	
Manama	麦纳麦	3	26N	51E	2E	
Al Mukalla	阿尔穆卡拉	3	13N	49E	1E	
Aleppo	阿勒颇	2	36N	37E	4E	
Amman	安曼	2	32N	36E	3E	
Annajaf	安纳杰夫	3	32N	44E	3E	
Ankara	安卡拉	2	40N	33E	4E	
Aqaba	亚喀巴	2	30N	35E	3E	
Arar	阿拉	3	31N	41E	3E	
Baghdad	巴格达	3	33N	44E	3E	
Baghlan	巴格兰	4.5	36N	69E	3E	

Basra	巴士拉	3	31N	48E	3E	
Beirut	贝鲁特	2	34N	36E	3E	
Buraidah	布赖代	3	26N	44E	2E	
Damascus	大马士革	2	34N	36E	3E	
Damam	达曼	3	26N	50E	2E	
Doha	多哈	3	25N	52E	2E	
Dubai	迪拜	4	25N	55E	1E	
Esfahan	伊斯法罕	3.5	33N	52E	3E	
Fujairah	富查伊拉	4	25N	56E	1E	
Haifa	海法	2	33N	35E	3E	
Hama	哈马	2	35N	37E	3E	

北美、中美、和美国 North America, Central America& America					
城市		TZONI	LAT	LON	VAR
Bogota	波哥大	-5	5N	74W	3W
Boston	波士顿	-5	42N	71W	16W
Brasilia	巴西利亚	-3	16S	48W	19W
Buenos Ai	艾利斯	-3	35S	59W	4W
Caracas	加拉加斯	-4	11N	67W	9W
Chicago	芝加哥	-6	42N	86W	1W

Dallas	达拉斯	-6	33N	97W	5E	
Elizabeth	伊丽沙白	-7	40N	105W	11E	
Detroit	底特律	-5	42N	83W	6W	
Edmonton	埃德蒙顿	-7	54N	113W	21E	
EL Paso	埃尔帕索	7	32N	107W	11E	
Honolulu	檀香山	-10	21N	156W	11E	
Houston	休斯敦	-6	30N	95W	5E	
La Paz	拉巴斯	-4	17S	68W	3W	
Lima	秘鲁利马	-5	12W	77W	2E	
Los Angel	洛杉矶	-6	34N	118W	14E	
Mexico Ci	墨西哥城	-6	19N	99W	7E	
Miami	迈亚密	-5	26N	80W	4W	
Montevide	蒙得维的	-3	35S	56W	7W	
Montreal	蒙得利尔	-5	46N	74W	16W	
New Orle	新奥尔良	-6	30N	90W	2E	
New York	纽约	-5	41N	74W	13W	
Pago Pag	帕果帕果	-11	13N	171W	12E	
Panama	巴拿马城	-5	9N	79W	0E	
Portof Sp	西班牙港	-4	11N	61W	13W	
Rio de jan	里约热内	-3	23S	43W	20W	
San Franc	旧金山	-6	38N	122W	16E	
Santiago	圣地亚哥	-4	34S	71W	6E	

Sao Paulo	圣堡罗	-3	24S	47W	18W	
Seattle	西雅图	-8	48N	122W	20E	
Vancouve	温哥华	-8	49N	123W	21E	加拿大
Harrisbur	哈里斯堡	-5	39N	77W	10W	
Winnipeg	温伯尼	-6	49N	97W	6E	

非洲 Africa					
城市		TZONI	LAT	LON	VAR
Abidjan	阿比让	0	5N	4W	2E
Accra	阿克拉	0	0N	6E	6W
Addis baba	斯亚贝巴	3	9N	39E	1E
Egypt	亚历山大	2	31N	30E	9W
Algiers	阿尔及尔	1	37N	3E	2W
Antananarivo	塔那那利	3	19S	48E	14W
Bamako	巴马科	0	13N	8W	7W
Bissau	比绍	0	12N	16W	11W
Cairo	开罗	2	30N	31E	2E
Cape Town	开普敦	2	34S	18E	23W
Casablanca	卡萨布兰	0	34N	8W	5W
Dakar	达喀尔	0	15N	17E	1W
DaresSalaam	达累斯萨	3	7S	39E	2W
Djibouti	吉布提	3	12N	43E	1E

Freetown	弗里敦	0	9N	13W	11W	
Johannesburg	约翰内斯	2	26S	28E	16W	
Kampala	坎帕拉	3	0	33E	0E	
Khartoum	喀土穆	2	16N	33E	1E	
Kinshasa	金沙萨	1	4N	15E	5W	
Lagos	拉各斯	1	6N	3E	5W	
Las Palmas	拉斯帕尔	0	26N	15W	5W	
Mogadishu	摩加迪沙	3	2N	45E	0E	
Nairobi	内罗毕	3	1S	37E	0E	
Niamey	尼亚美	1	14N	2E	4W	
Nouakchott	努瓦克肖	0	18N	16W	10W	
Windhoek	温得和克		15N	23W	13W	
Rabat	拉巴特	0	34N	7W	5W	
Kosti	库斯提	2	33N	13E	0E	
Tunis	突尼斯	1	37N	10E	0E	
Yaoundé	雅温得	1	4N	12E	4W	

欧洲 Europe						
城市		TZONI	LAT	LON	VAR	
Alma-Ata	阿拉木图	6	43N	76E	5E	
Amsterdam	阿姆斯特	1	52N	5E	3W	
Ashgabat	阿什喀巴	5	38N	58E	4E	

Athens	雅典	2	38N	24E	2E	
Azores	亚速尔	-1	39N	28W	14W	
Baku	巴库	4	40N	50E	5E	
Beograd	贝尔格莱	2	45N	21E	3E	
Berlin	柏林	1	53N	13E	1E	
Bishkek	比什凯克	6	43N	75E	5E	
Bonn	波恩	1	50N	7E	2W	
Bruxelles	布鲁塞尔	1	51N	4E	3W	
Bucharest	布加勒斯	2	44N	26E	3E	
Budapest	布达佩斯	1	48N	19E	2E	
Cannes	戛纳	1	44N	7E	1W	
Copenhagen	哥本哈根	1	56N	13E	0E	
Dublin	都柏林	0	53N	6W	8W	
Dushanbe	杜尚别	5	39N	69E	4E	
Frankfurt	法林克福	2	50N	9E	1W	
Geneva	日内瓦	2	46N	6E	2W	
Ham burg	德国汉堡	3	54N	10E	1W	
Helsinki	赫尔辛基	2	60N	25E	6E	
Kyiv	基辅	2	50N	31E	5E	
Lisbon	里斯本	1	39N	9W	5W	
London	伦敦	0	52E	0E	5W	
Madrid	马德里	2	40N	4W	4W	

Milan	米兰	1	45N	9E	2W	
Minsk	明斯克	2	54N	28E	5E	
Moscow	莫斯科	3	56N	38E	9E	
Munich	慕尼黑	1	48N	12E	0E	
Nice	尼斯	1	44N	7E	1W	
Paris	巴黎	1	49N	2E	3W	
Praha	布拉格	1	50N	14E	4E	
Rome	罗马	1	42N	13E	0E	
Sofia	索菲娅	2	43N	23E	3E	
Stockholm	斯德哥尔	1	59N	18E	2E	
Tashkent	塔什干	5	41N	69E	5E	
Tirana	地拉那	1	41N	20E	2E	
Vienna	维也纳	1	48N	16E	4E	
Warsaw	华沙	1	52N	21E	3E	
Zurich	苏黎世	1	47N	9E	2W	

亚洲 Asia						
CITY(城市)		TZONI	LAT	LON	VAR	
Bengaluru	班加罗尔	5.5	13N	78E	2W	
Bangkok	曼谷	7	14N	101E	1W	
Beijing	北京	8	40N	116E	6W	

Bombay	孟买	5.5	19N	73E	0W	
Calctta	加尔各答	5.5	23N	86E	1W	
Chittagong	吉大港	6	22N	92E	1W	
Chongqing	重庆	8	29N	107E	2W	
Colombo	科伦坡	5.5	7N	80E	3W	
Delhi	德里	5.5	29N	77E	0E	
Dhaka	达卡	6	24N	90E	1W	
Guam	关岛	10	13N	145E	2E	
Guangzhou	广州	8	23N	113E	2W	
Hanoi	河内	7	21N	106E	1W	
Hong Kong	香港	6	22N	114E	2W	
Hyderabad	海得拉巴	5	25N	68E	0E	巴基斯坦
Hyderabad	海得巴拉	5.5	17N	78E	2W	印度
Islamabao	伊斯兰堡	5	34N	73E	2E	
Jakarta	雅加达	7	6N	107E	0E	
Kanpur	坎普尔	5.5	26N	80E	0E	
Karachi	卡拉奇	5	25N	67E	0E	
Kalmandu	加德满都	5.7	26N	85E	0E	
Kuala Lumpur	吉隆坡	8	3N	102E	0E	
Lahore	拉合尔	5	32N	74E	1E	
Lanzhou	兰州	8	36N	104E	2W	

Chennai	金奈	5.5	13N	80E	2W	
Manila	马尼拉	8	15N	121E	1W	
Medan	棉兰	7	4N	99E	1W	
Melbourne	墨尔本	11	38S	145E	12E	
Multan	木尔坦	5	30N	72E	2E	
Yaren	瑙鲁亚伦	12	0S	167E	10E	
Noumea	努美阿	11	22S	166E	13E	
Papeete	帕皮	10	18S	150W	13E	
Perth	珀斯	5	32S	116E	3W	
Phnom Penh	金边	7	12N	105E	12E	
Poat vila	瓦努阿图维	11	16S	166E	12E	
Pyong yang	平壤	9	39N	126E	5W	
Rawalpindi	拉瓦尔	5	34N	73E	2E	
Sanana	萨纳纳	9	2S	126E	2E	
Seoul	首尔	9	38N	127E	8W	
Shanghai	上海	8	31N	121E	5W	
Singapore	新加坡	6	1N	104E	0E	
Srinagar	斯利那加	5.5	34N	75E	2E	
Surabaya	泗水	7	7S	113E	1E	
Suva	苏瓦	12	18S	178E	13E	
Sydney	悉尼	10	34S	151E	13E	

Tai Pei	台北	8	25N	122E	3W	
Tokyo	东京	9	36N	140E	7W	
Ulaanbaatar	乌兰巴托	8	48N	107E	4W	
Vientiane	万象	7	18N	103E	1W	
Wellington	惠灵顿	12	41S	175E	22E	
Xi'an	西安	8	34N	109E	3W	
Yangon	仰光	6.5	17N	96E	1W	
Yinchuan	银川	8	39N	106E	3W	