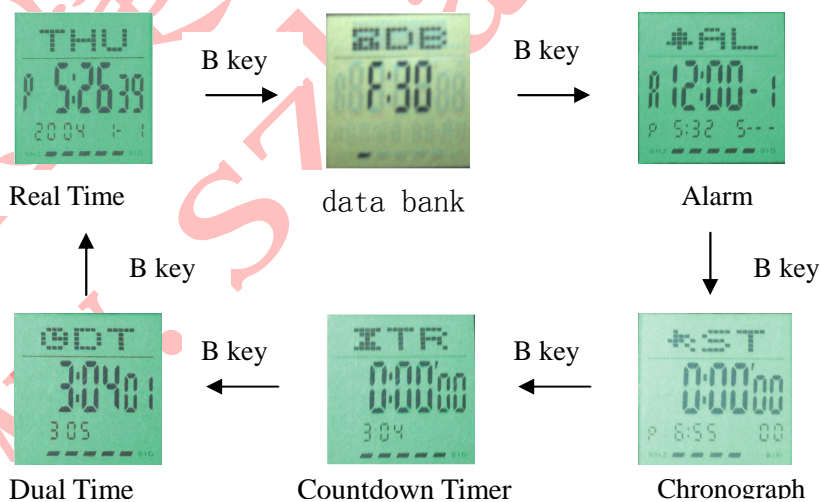


A . Features

- 17 Digits LCD Display, Display Hour ,Minute ,Second ,Year(2004~2039),Month ,Day and Week (English, Portuguese, Spanish, French, Dutch, Danish, German, Italian, Swedish, Polish , Romanian, Turkish, Russian)
- 12 / 24H format selectable, Auto Calendar
- Daylight Saving Time
- 5 multi- function alarms and Chime hourly
- 1/100 second Chronograph with split functions
- Countdown Timer
- Dual Time
- Auto Display function
- data bank
- EL back bright
- 30 records

B . Operational Manual

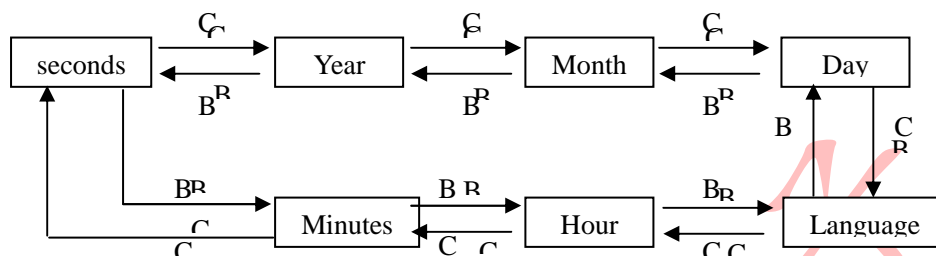


1. At any state ,press A key EL back bright

2. Real Time

- This watch is capable of displaying text for the day of the week in any one of 13 different languages(English, Portuguese, Spanish, French, Dutch, Danish, German, Italian, Swedish, Polish , Romanian, Turkish, Russian)
- In real time mode ,press C key to toggle between 12-hour timekeeping(indicated by A or P on the display).or 24-hour timekeeping.

- Press and hold C key for 2s in the Real Time Mode toggles between Daylight Saving Time(DST)and standard Time (DST not display)
- Press A key in the real time Mode displays the indicator for the currently selected language.
- Press and hold E key in the real time mode displays the Dual Time screen. Press and hold F key displays the record you were viewing when you last used the Data Bank Mode.
- Press and hold A key until the seconds start to flash ,which indicates the setting screen.
 - a). Use C key and B key to move the flashing in the sequence shown below to select other settings)



- b). "Second " flashing when loading ,press F key to zero ;
- c).The currently selected language indicator flashes on the display while the Language(setting)is selected in the above sequence.
- d).When the setting you want to change is flashing, Press E key(-) and F key(+) to change it as described below.
- e).Press A key to exit the setting screen.
- f).The day of the Week is automatically displayed in accordance with the date(year, month ,and day)setting

Indicator	Language	Indicator	Language	Indicator	Language
ENG	English	POR	Portuguese	ESP	Spanish
FRA	French	NED	Dutch	DAN	Danish
DEU	German	ITA	Italian	SVE	Swedish
POL	Polish	ROM	Romanian	TUR	Turkish
PYC	Russian				

3. DATA BLANK MODE

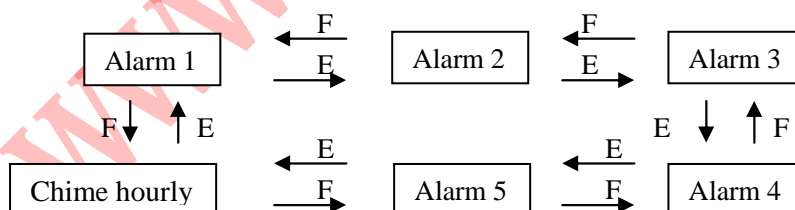
- The Data Blank Mode you store up to 30 records. each containing name and telephone number data.
- To create a new Data Blank record
 - a). in the new Data Bank Mode, press C key to display the new data screen. if the new data screen does not appear when you press C key ,it means that memory is full. To store another record ,you will first have to delete some of the records stored in memory.
 - b). Press and hold A key until the flashing cursor(-)appears in the name area of the display.
 - c). In the name area, use E key(-) and F key(+) to cycle through characters at the cursor position. The characters cycle in the sequence shown below.
 - d).When the character you want is at the cursor position. Press C key to move the cursor to right.
 - e).Repeat steps c and d until the name is complete. you can input up to eight characters for the name.
 - f).After you input the name, press C key as many times as necessary to move the cursor to the number area. when the cursor is located at the eighth space of the name area, moving the cursor to the right causes it to jump to the first digit of the number .When the cursor is at the 15th digit of the number, moving it to the right (by pressing C key)causers it to jump to the first character in the name.
 - g).Pressing C key moves the cursor the right, while B key moves it to the left.
 - h).In the number area, use E key(-) and F key(+) to cycle through numbers and symbol (hyphen ,brackets , space) at the cursor position. The characters cycle in the sequence shown below.
 - j).When the character you want is at the cursor position, press C key to move the cursor to the right
 - k). Repeat steps h and j until you complete number input. you can input up to 15 digits for the number.
 - m).Press A key to store your data and return to the Data Bank record screen(without the cursor).When

you press A to store data , the name and number you input flash for about one second as Data Bank records are sorted, After the sort operation is complete. The Data Bank record screen appears.
n).The name can show only three characters at a time ,so longer text scrolls. continuously from right to left , The last character is indicated by the symbol ◀ after it.

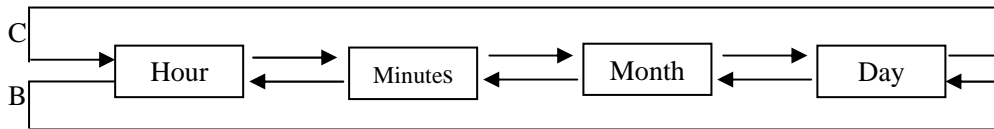
- To recall Data Bank records
 - a).In the Data Bank Mode, use E key(-) and F key(+) to scroll through Data Bank records on the display.
- To edit a Data Bank Record
 - a).In the Data Bank Mode ,use E key(-) and F key(+) to scroll through the records and display the one you want to edit.
 - b).Hold down A key until the flashing cursor appears on the display.
 - c).Use C key (right) and B key(left) to move the flashing to the character you want to change.
 - d).Use E key(-) and F key(+) to change the character.
 - f).After making the changes that you want ,Press A key to store them and return to the Data Bank record screen.
- To delete a Data Bank record
 - a).In the Data Bank mode, use E key(-) and F key(+) to scroll through the records and display the one you want to delete
 - b).Hold down A key until the flashing cursor appears on the display.
 - c).Press B key and C key at the same time to delete the record. The message CLR appears to indicate that the record is being deleted, After the record is deleted ,the cursor appears on the display ,ready for input.
 - d).input data or press A key to return to the Data Bank record screen.

4. ALARM



- Alarm Types (The alarm type is determined by the setting you make ,as described below)
 - a). Daily alarm
Set the hour and minutes for the alarm time , This type of setting causes the alarm to sound everyday at the time you set.
 - b). Date alarm
Set the month, day, hour and minutes for the alarm time .This type of setting causes the alarm to sound at the specific time, on the specific date you set.
 - c). 1 month alarm
set the month, hour and minutes for the alarm time, This type of setting causes the alarm to sound everyday at the time you set , only during the month you set.
 - d). Monthly alarm
Set the day, hour and minutes for the alarm time ,This type of setting causes the alarm to sound every month at the time you set ,only during the month you set.
- To set an alarm time
 - a). In the Alarm Mode, use E key(-) and F key(+) to scroll through the alarm screens until the one whose time you want to set is displayed.



- Each of the five alarm screens has an alarm number, the Chime hourly screen does not have an alarm number.
- b). After you select n alarm ,hold down A key until the hour setting of the alarm time starts to flash, which indicates the setting screen. This operation automatically turns on the alarm.
 - c).Use C key and B key to move the flashing in the sequence shown below to select other setting.



- d). While a setting is flash ,use E key(-) and F key(+) to change it .
- 1).To set an alarm that does not include a month(Daily alarm, Monthly alarm),set for the month, use D key until the mark appears (between 12 and 1)while month setting is flashing.
 - 2). To set an alarm that does not include a day (Daily alarm,1-Month alarm),set –for the day ,use D key until the – mark appears (between the end of the month and 1)while the day setting is flashing.
 - 3). When setting the alarm time using the 12-hour format ,take care to set the time correctly as a.m (A indicator)or p.m (P indicator).
- e).Press A key to exit the setting screen.

- Alarm Operation
- The alarm tone sounds at the preset time for 10s ,regardless of the mode the watch is in, In the case of the snooze alarm, the alarm repeats up to seven times, every five minutes until you turn the alarm off or change it to a one –time alarm.
 - a).pressing any key stops the alarm tone operation.
 - b).Any time you display the setting screen while the Alarm 1 screen is on the display ,Alarm 1 automatically becomes a one –time alarm.
 - c).Displaying the real time mode setting screen during a 5 minute interval between snooze alarms stops the current snooze alarm operation(but snooze alarm remains as the alarm type setting).
 - d).In the Alarm Mode ,hold down C key to sound the alarm.
- To turn alarm 2 through 5 and the Chime hourly
 - a).In the Alarm Mode ,use E key(-) and F key(+) to select a one –time alarm (alarm number2 through5)or the Chime hourly
 - b).Press C key to toggle it on and off.
The on/off status of Alarm 2 through 5 is shown by indicators along the bottom of the displays(“”),the (“SIG”) indicator shows the on (displayed)/off(not displayed)status of the Chime hour.
 - c).The alarm on indicators (“”) and Chime hour (“snz”) are displayed in all modes.
 - d).While an alarm is sounding ,the applicable alarm on indicator flashes on the display
- To select the operation of Alarm 1
 - a).In the Alarm Mode ,use E key(-) and F key(+) to select Alarm 1
 - b).Press C key to cycle through the available settings in the sequence shown below.
 - c).The SNZ indicator and Alarm 1 on indicator are displayed in all modes.
 - d).The SNZ indicator flashes during the 5 minute intervals between alarms.
 - e).The alarm indicator flashes while the alarm is sounding.

5. Chronograph

- The display range of the Chronograph is 23 hours ,59 minutes ,59.99 seconds.
- The Chronograph continues to run, restarting fro zero after it reaches its limit ,until you stop it.
- The Chronograph measurement operation continues even if you exit the Chronograph mode.
- Exiting the Chronograph mode while a split time is frozen on the display clears the split time and return to elapsed time measurement.
- All of the operations in this section are performed in the Chronograph mode ,which you enter by pressing B key.

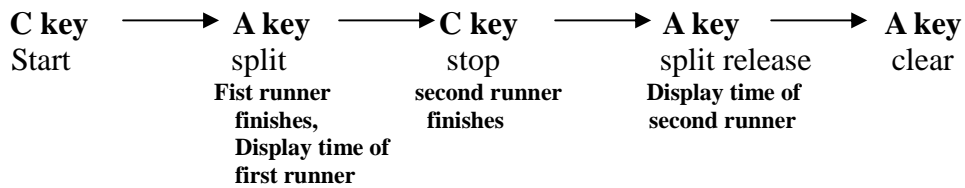
a).Elapsed Time

C key Start → C key stop → C key re-start → C key stop → A key clear

b).Split Time

C key Start → A key split (SPL display) → A key split release → C key stop → A key clear

b).Two Finishes



6. Countdown Timer

- The countdown timer can be set within a range of 1 minute to 24 hours, An alarm sounds when the countdown reaches zero.
- To set the countdown start time
 - a). In the Countdown Timer Mode, hold down A key until the hour setting of the countdown start time starts to flash ,which indicates the setting screen.
 - b).Press B key and C key to move the flashing between the hour and minute settings.
 - c).While a setting is flashing ,use D key to change it .
 - d).Press A key to exit the setting screen.
- To use the countdown timer
 - a).Press C key while in the Countdown Timer Mode to start the countdown timer.
 - b).When the end of the countdown is reached, the alarm sounds for 10 seconds or until you stop it by pressing any key ,The countdown time is automatically reset to its starting value after the alarm stops
 - c).Press C key while a countdown operation is in progress to pause it ,Press C key again to resume the countdown.
 - d).To completely stop a countdown operation ,first pause it (by pressing C key),and then press A key ,This returns the countdown time to its starting value.
 - e).The countdown timer measurement operation continues even if you exit the countdown Timer Mode.

7. Dual Time

- The Dual Time Mode lets you keep tack of time in a different time zone.
- To set the Dual Time
 - a).In the Dual Time Mode, hold down A key until the hour setting start to flash, which indicates the setting screen.
 - b). Press B or C to move the flashing between the hour and minute settings.
 - c). While a setting is flashing ,use E key(-) and F key(+) to change it .
 - d).Press A to exit the setting screen.
- To toggle Dual Time Mode time between DST and Standard Time
 - a).Holding down C key for about two seconds in the Dual Time Mode toggles between Daylight Saving Time(DST display)and Standard Time (DST not displayed)..
 - b).The DST indicator on the display indicates that daylight saving time is turned on.
- To display Data Bank screen.
Holding down D key in the Dual Time Mode displays the record ou were viewing when you last used the Data Bank Mode.

C. Reference

1. Auto Display

- To turn off Auto Display
 - a). Press any Key (except for D key)to turn off Auto Display ,This returns to the Real Time Mode.
- To turn on Auto Display
 - a).Hold down B key for about two seconds until the watch beeps
 - b).That Auto Display cannot be performed while a setting screen is on the display.

2. Auto Return Features

- After you perform any key operation (except for the A key) in any mode, pressing B key returns directly to the Real Time Mode.
- If you leave the watch in the Data Bank Mode for two or three minutes without performing any operation, It automatically changes to the display for two or three minutes without performing any

operation, the watch automatically saves any settings you have made up to that point and exits the setting speed.

3.Real time

- Resetting the seconds to 00 while the current count is in the range of 30 to 59 causes the minutes to be increased by 1, In the range of 00 to 29, the seconds are reset to 00 without changing the minutes.
- The year can be set in the range of 2000 to 2039.

D. Specifications

- Module Size : 27*27.5±0.05mm
- Module Thickness : 7.4±0.2mm
- Operational Temperature Range : -10℃~60℃
- Operational Voltage : 3.0V
- Accuracy : ±90sec/month
- Battery Code : CR2016
- Current Consumption for Digit : ≤3.5u A(T=25℃)
- Alarm Current : ≤3.0 mA
- EL Current : ≤10 mA
- Battery life : 2 backlight operation (6 seconds) per day : month
10 seconds of alarm operation per day

Day of the Week List

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ENG	SUN	MON	TUE	WED	THU	FRI	SAT
POR	DOM	SEG	TER	QUA	QUI	SEX	SÁB
ESP	DOM	LUN	MAR	MIÉ	JUE	VIE	SÁB
FRA	DIM	LUN	MAR	MER	JEU	VEN	SAM
NED	ZON	MAA	DIN	WOE	DON	VRI	ZAT
DAN	SØN	MAN	TIR	ONS	TOR	FRE	LØR
DEU	SON	MON	DIE	MIT	DON	FRE	SAM
ITA	DOM	LUN	MAR	MER	GIO	VEN	SAB
SVE	SÖN	MÅN	TIS	ONS	TOR	FRE	LÖR
POL	NIE	PON	WTO	ŚRO	CZW	PIĄ	SOB
ROM	DUM	LUN	MAR	MIE	JOI	VIN	SÂM
TÜR	PAZ	PZT	SAL	ÇAR	PER	CUM	CTS
РУС	ВС	ПН	Вт	СР	ЧТ	ПТ	СБ

L-1

DEU: (Leerzeichen) A Ä B C D E F G H I J K L M N O Ö P Q R S T U V
W X Y Z ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

ITA: (spazio) A À B C D E É Ê F G H I Ì Í J K L M N O Ó Ò P Q R S T
U Û V W X Y Z ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

SVE: (Mellanslag) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Å Ä Ö ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

POL: (spacja) A Ą B C Ć D E Ę F G H I J K L ł M N Ń O Ó P Q R S Ś T
U V W X Y Z Ź Ż ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

ROM: (spațiu) A Ă Â B C D E F G H I Î J K L M N O P Q R S Ș T Î U V W
X Y Z ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

TÜR: (boşluk) A B C Ç D E F G Ğ H I İ J K L M N O Ö P Q R S Ş T U Ü
V W X Y Z ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

РУС: (пробел) А Б В Г Д Е Ё Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ
Ъ Ъ Ъ Ю Я ß ! ? ' . : / + - 0 1 2 3 4 5 6 7 8 9

Sort Table

1	(space)	13	Ć	25	İ	37	Ń	49	Ś	61	×	73	Ŧ
2	Ā	14	Ď	26	Í	38	Ň	50	Ŝ	62	Ÿ	74	Д
3	Ả	15	Е	27	Î	39	О	51	Ẃ	63	Ʒ	75	Е
4	Ä	16	É	28	Ï	40	Ó	52	Ţ	64	Ẓ	76	Ё
5	Å	17	Ê	29	Ĭ	41	Ô	53	Ț	65	Ẕ	77	Ж
6	Ė	18	Ë	30	Ĳ	42	Õ	54	Ț	66	Æ	78	З
7	Ħ	19	Ě	31	Ĵ	43	Ö	55	Ú	67	Ø	79	И
8	Ĥ	20	Ě	32	Ķ	44	Ő	56	Û	68	Å	80	Й
9	Ħ	21	Ƒ	33	Ľ	45	Ɛ	57	Ū	69	Ħ	81	К
10	Б	22	Ƒ	34	Ł	46	Ƒ	58	Ü	70	Ō	82	Л
11	С	23	Ǧ	35	М	47	Ɔ	59	Ʋ	71	Ɛ	83	М
12	Ɔ	24	Н	36	Н	48	Ɔ	60	Ʋ	72	Ɛ	84	Н

L-4

	Prepared	Checked	Approve
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