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-SETUP

### Synchronization Automatic Learn Function: Learn function executes automatically and runsfor approximately 3 minutes when batteries are first installed in the receiver. Within these 3 minutes, receiver picks up the temperature & humidity signals from remote sensor and displays the readings. 230-2372 2775 2275 1238-'. 2 lis 000 Manual-Learn (Searching for Remote Signals): If a new remote sensor is added or if signal is lost (outdoor display blinking), learn function must be executed again. Press and hold **CHN** for 3 seconds to start



# SUNRISE/ SUNSET TIME DISPLAY This weather station has state-of-art feature of Sunrise/ Sunset time display. The Sunrise/ Sunset time will display corresponding to your selected location. Please follow the procedures as below: Enter into clock setting mode (Press and hold MODE for 3 seconds to enter the clock setting mode )

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- 2 Identify which zone you are located at
- (see the zone map at last page)
- 3 Set the Zone code with CHN key
- 4 Daytime duration will change according to selected zone code and date.

**5** Sunrise and Sunsettimes follows to date.



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# - WEATHER DISPLAY

#### **REMARKS:**

\* After setting up, reading for weather forecasts should be discarded for the next 12-24 hours. This will allow sufficient time for the Weather Station to operate at a constant altitude and therefore result in a more accurate forecast. \* Common to weather forecasting, absolute accuracy cannot be guaranteed. The weather forecasting feature is estimated to have an accuracy level of about 75% due to the varying areas the Weather Station has been designed for use in. \* If the Weather Station is moved to another location significantly higher or lower than its initial standing point (e.g from ground floor to 1st floor of a house), remove the batteries and reinsert them after about 30 seconds. By doing this, the Weather Station will not make mistake of new location being a possible change in air pressure. Again, discard the weather forecasts for the next 12-24 hours as this allow time for operation at a constant altitude.





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# BACKLIGHT

This Weather Station is equipped with Backlight function. Pressing any keywill turn on the backlight function. To save energy, you can select to Turn Off the backlight by executing the following steps:

#### Turn Off Backlight

Steps 1. Use MODE key scrolling to Date display 2. Press ALARM key

Afterwards, the backlight will not be activated even if pressing any key

#### Reactivate Backlight

Repeat the above same steps to reactivate the backlight function. Afterwards, pressing any keywill turn on the backlight





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# TEMPERATURE ALARM

You can set high temperature or low temperature alarms for one local -16 and one for one remote channel

Local temperature alarm Scroll to local temperaturealarm mode by using MODE

The default value 14C or existing preset will flash Bress + or - key to set the temperature limit value A Press ALARM key continuously to scroll and select the high nperature alarm, low temperature alarm or disable the alarr

5 Press MODE to finish

## Outdoor temperature alarm

Scroll to remote channeltemperature alarm mode by using MODE The default value 14C or existing preset will flash

3 Press + or - key to set thetemperature limit value

4 Press ALARM key continuously to scroll and select the high temperature alarm, lowtemperature alarm or disable the alarm function



## when temperature alarm sounds

R It is to alertthat the temperature has exceeded the preset temperature limit.

Press any key tostop temperature alarm; or
If no key ispressed, the temperature alarm will automatically stop itself after one minute.
Once triggered, temperature alarm comes on as a distinctive sound different to that of Alarm 1 and Alarm2

ound, different to that of Alarm1 and Alarm2

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### TROUBLESHOOTING solution

problem

- Cannot receive radio control DCF-77 Place the clock away from metal objects or signals to update the clock.
- The temperature measurement of remote sensor and receiver does
- Temperature reading of outdoor remote sensor seems to high.
- iv Receiver is no longer receiving remote sensor signals or display

electricalappliances such as TVs, computers,

Wait for about 1-2 minute to ensure the remote

sensor and receiver are in phase. Otherwise,

re-synchronize receiver by holding CHNfor 3

Ensure the remote sensor is out of direct sunlight,

- Batteries in remote sensor may need changing.

- Move remote sensor closer to the receiver. Make sure remote sensor is away from sources of

seconds until a beep is heard.

and away from sources of heat.

Nepeat the learning procedures.

electrical disturbance.

- Temperature may be below -30C.

monitors, etc.



# - SPECIFICATIONS

Weather Station Receiver WS738 Battery Type: 2 X 1.5V AA batteries

Temp. Range: -9.9°C to +55°C within measuring range of 0 to 40°C Resolution: 0.1°C Humidity Range: 25% to 90% RH

Weather Station Transmitter WT440H Battery Type: 2 X 1.5V AA batteries Operation Temp.: -20°C to +60°C Temp. Range: -30°C to +70°C Temperature Resolution: 0.1°C for above -10°C / Measurement Accuracy: Max. +/- 1°C Measurement Accuracy: Max. +/- 1°C within measuring range of 0 to 40°C Humidity Range: 25% to 90% RH Transmission Frequency: 433.92 MHz Transmission Range: 40 meters (in open area)

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# WEATHER DISPLAY

weather forecast symbols This weather station is capable of detecting barometric pressure changes, and based on the data collected, can predict the weather for the next 12 to 24 hours. The effective range covers an area of 30 - 50km.

Sunny	Cloudy	Raining	Snowing	Freeze Warning	Storm Alert
or D			***	**** <flashing snow=""></flashing>	//////////////////////////////////////

### Storm Alert

<sup>4</sup> Storm symbol will flash to warn of thunderstorm.

\* It is activated when pressure falls/rises and temperature plunges. About Freeze Warning

## \* Snow symbol will flash to warn of 'freezing'.

- \* Activated when Channel 1's temperature is between -1.9C and +2.9C
- \* Snow will appear solid if and when Channel 1's temperature falls below -1.9 C.

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Note:

#### \* Sun / Moon symbol display according to sunset/sunrise time.

- \* Initially, the weather will be cloudy \* Remote sensor Channel 1 will be used for weather indication.

Operation Temp: -5°C to +50°C

1°C for below -10°C

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#### **INSTRUCTION TO THE USER**

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.