

# **DENVER WS-520 - Touch Screen 433MHz weather station**

## Main feature and specifications

### 1. Main unit

LCD display with 3 touch buttons: (a) MEM/▼, (b) °C/°F/SET (c) CH/▲

Shows current time, 12/24 hour selectable & °C/°F selectable

Shows Indoor temperature and humidity

Shows Outdoor temperature and humidity

Indoor temperature range: 0°C~+50°C, indoor humidity range:20%~90%

Indoor and outdoor temperature max/min records

You can connect up to 3 outdoor sensors (channel 1-3 selectable on main unit)

Humidity indicator on display (graphical bucket)

Indication of current room atmosphere

Can be placed on a table using the built-in stand, or hung on a wall using the holes for mounting

Battery: 2xAAA (main unit) + 2xAA (outdoor sensor). Batteries are not included.

### 2. Remote sensor

Outdoor temperature and humidity display

Battery compartment

CH switch-Select a channel (1-3)

Wall mount hanger-This hole makes it possible to mount the remote sensor on a wall.

°C/°F button- This button selects between Celsius(°C) and Fahrenheit (°F).

## Power-On and Reset

- 1) Start inserting batteries into main unit, and then in outdoor sensor afterwards. After approximately 3 seconds the display will turn on.
- 2) After 3 minutes, main unit will show both indoor & outdoor temperature and humidity.
- 3) After these 3 minutes the RF search will stop on the main unit (so if you want to connect additional sensors, you have to start RF search again)
- 4) Default temperature unit is set to Celsius, and default time set to 24HR display

## Keys Operation and Display

KEYS			°C/°F/SET	CH/▲
OPERATION				
<b>Standard mode</b>	Click	Max/Min records	Switch of °C/°F	Switch of channels
	Hold	Clear Max/Min records	Start Time setting mode	RF re-receiving
<b>Time setting mode</b>	Click	Decrease	Confirm and start the next setting	Increase

	Hold	Decrease in 8 steps/seconds	-----	Increase in 8 steps/seconds
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## Button operation

### 1. °C/°F/SET BUTTON

#### 1) Standard mode

- a) Click - °C/°F switchable
- b) Hold - Start time setting mode

#### 2) Time setting mode

- c) Hold “°C/°F/SET” and start time setting mode. Hour or minute will flash every 1 second. Click “CH/▲” or “MEM/▼” to increase/decrease the number & then click “°C/°F/SET” to confirm and go to next setting
- d) Setting sequence: Hour → Minute → 12/24 hour → ON/OFF → Exit
- e) ON/OFF: “ON” selected: Daily max/min records are cleared at 00:00; “OFF” selected: Max/Min records are kept until you delete them manually.
- f) The unit will auto save if no keys are pressed in 20 seconds.

### 2. CH/▲ BUTTON

#### 1) Standard mode

- a) Click - RF switchable. CH1 → CH2 → CH3 → Cycling display (every 10seconds)
- b) Hold - More than 3seconds, start to RF search and clear all RF data. Search will be cancelled if no pairing is found within 3 minutes

#### 2) Time setting mode

- c) Click 1 time for 1 step increasing
- d) Hold for rapidly increasing

#### 3) RF receiving mode

- e) Click - RF switchable. CH1 → CH2 → CH3 → Cycling display (every 10seconds)
- f) Hold more than 3s, exit RF receiving mode

### 3. MEM/▼ BUTTON

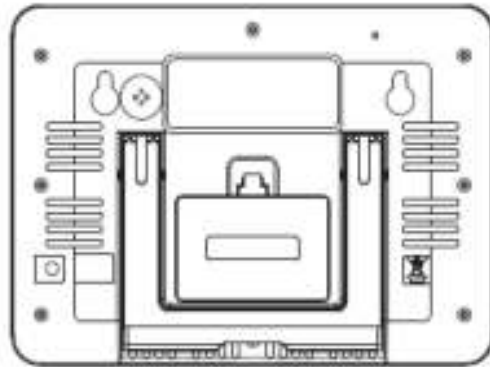
#### 1) Standard mode

- a) 1<sup>st</sup> click - display 5s for indoor /outdoor temp & humidity Max record, 2<sup>nd</sup> click - display 5s for Min record, 3<sup>rd</sup> click - back to standard mode
- b) Hold for 3seconds, manually clear Max/Min records

#### 2) Time setting mode

- c) Click 1 time for 1 step decreasing
- d) Hold for rapidly increasing
- e) The unit will auto save if no keys are pressed in 20 seconds.

## Function and Effect Instruction



### 1) Outdoor VS Indoor Humidity

Absolute humidity variation	Display
Percentage	-
Less than +/-4%	NO CHANGE
More than +5%	MORE WET
Less than -5%	MORE DRY

### 2) Comfort index

Humidity	DRY	COMFORT	WET
%	20%-44%	45%-65%	65%-95%

### 3) Window Open/Close indicator

Open Window	Close Window
