

# FAQ



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TECHNOLOGY

## WS 7091

### ✓ What is the maximum distance I can have the remote from the display?

The maximum open-air distance is 25 meters in a straight line although you should take into account distance and resistance. Subtract 6-10 meters for an exterior wall or any obstruction that is similar in width or composition. Subtract 3-10 meters for interior wall or any obstruction that is similar in width or composition. (An obstruction would include anything that is between the line of sight like a roof, walls, floors, ceilings, trees, etc.). Also keep your units away from electronic appliances like TV's, microwaves, computers, refrigerators, and speakers.

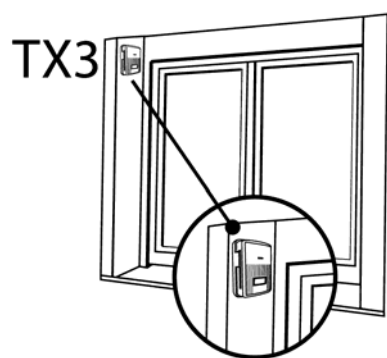
### ✓ Does the remote transmitter have any trouble transmitting through specific materials?

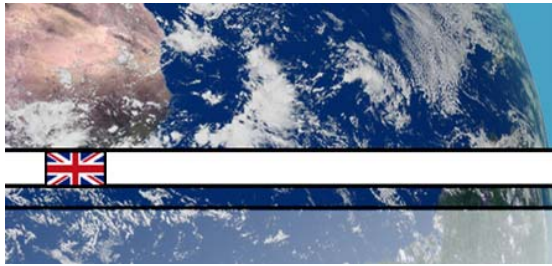
Yes and No. We have trouble maintaining a signal through metal siding, stucco walls, and UV glass. You can get the remote sensor to transmit through these materials, but it will take a little bit of trial and error. Reset the weather station as mentioned above and change the angle that the remote transmits through the siding or glass until an outdoor temperature remains on the display for an extended period of time. Keep in mind that the signal from the remote must travel through some space (10 cm of air minimum) before reaching the metal wall or glass window.

### ✓ Where can I mount the remote sensor?

In order to get an accurate reading and to prolong the life of your sensor we recommend that you have it in a sheltered area out of the sun and direct rain. Fog and Mist will not affect the sensor, but a soaking in water may.

You can mount it outside under an eave of your house or any other suitable place that will keep it out of the sun and rain. Do not wrap the sensor in plastic or seal it in a plastic bag.





✓ **How can I get outdoor temperature to show on the display for the first time or after loss of information (i.e. power blackout)?**

Bring both units (station + transmitter) inside your house and have the units 1 to 2 meters apart with nothing in-between them.

1. Remove the batteries from both units, display and remote sensor
2. Wait until the display is blank in order to clear all memory (we recommend one minute)
3. Insert the batteries back into the display
4. Taking care NOT to press any buttons, reinstall the batteries into the sensor
5. Do not press any button for at least 10 minutes after installing the batteries. (Let them establish a good connection). Pressing a button during this stage would be enough to stop the search of the sensor which is now being carried out by the station..
6. An outdoor temperature should be showing on your display. You can now put your outdoor sensor back outside.

✓ **Why the display of the temperature is different between the outdoor sensor and the station?**

You may observe that the station and the remote sensor may show two different temperature values. This is perfectly normal for the sensor collects outdoor temperature data every 60 seconds while the station does every 15 minutes.

✓ **How do I reset the MIN/MAX temperatures?**

Press and hold for about 4 seconds the MIN-RESET-MAX button to reset the in- and outdoor temperatures values.

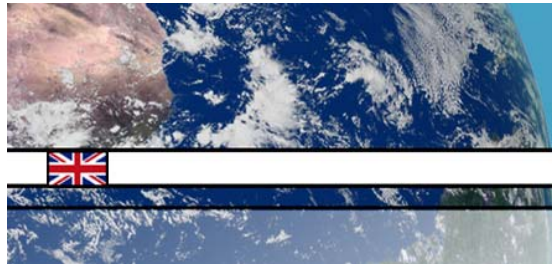
The minimum and maximum values for temperature and humidity that appear then on the screen are the current ones.

✓ **What do I do if my display is blank?**

Check the polarity on your batteries to make sure they are installed according to the diagrams in the battery compartment. Also make sure that you are using a new good quality alkaline battery. We advised against reloading batteries.

✓ **Why is my time incorrect or not displaying at all?**

1. The clock of this station receives a signal from Frankfurt (DCF-77) to set the clock to atomic time and the calendar. Sometimes, due to adverse weather or atmospheric conditions you will not be able to receive a signal immediately. The best way to get a signal is to put your clock in a window facing Frankfurt until you see the tower icon appear. If definitely you are not receiving the signal, wait one night during the night time there are less atmospheric disturbances.



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## **How do I manually set my time if I do not wish to use the DCF-77 function? How do I manually set other features of this station?**

To carry out the various adjustments use the function keys SET and + which are located on the back of the station, below the batteries compartment.

1. Press and hold the SET button for 5 seconds.
2. LCD and a number from 0-7 will be flashing. To increase or decrease the contrast of the LCD display press and release the + button. Press then and release the SET button.
3. The hour will now be flashing. Press and release the + button until correct hour is displayed. Press then and release the SET button once.
4. The minutes will now be flashing. Press and release the + button until the correct value is displayed. Press and release the SET button once.
5. You can now calibrate relative pressure threshold value (from 960 to 1040 hPa) using the + button. When you have your choice shown on the display, press and release the SET button once.
6. The pressure measurement unit will now be flashing. To toggle between 'hPa' and 'inHg' press and release the OUT/+ button. Press and release the SET button.
7. You can now select weather icon threshold (2, 3 or 4) using the + button. Press then and release the SET button once.

## **What means when "OFL" instead of data is displayed?**

"OFL" is displayed when in- or outdoor temperature or indoor humidity data are "out of range".

NOTA:

- indoor temperature measurement range : from 0 °C to 50 °C
- outdoor temperature measurement range : from -29.9 °C to 69.9 °C
- indoor humidity measurement range : from 25 to 95 %

In the case of outdoor temperature and humidity "OFL" can also be displayed when any interference occurs.

Correct data transmission is usually restored during the next data collection. If that is not the case, you should restart your station (see above).

## **Relative pressure histogram (bar-graph)**

This is an animated histogram moving to the left and not a fixed image.



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## Weather forecast icons

Weather forecast icon indicates improvement or degradation trend rather than immediate sun or rain as the icon shows.

*Example: if current weather is cloudy and the icon of rain is displayed, this does not imply that the station is deficient because it is not raining. It simply means that the atmospheric pressure fell and that weather will be getting poor but not necessarily raining.*

Once your station installed, it is recommended to ignore the forecast for the next 24 to 48 hours, in order to leave time to the station and to operate in constant condition and altitude.

Each noticeable and important change of atmospheric pressure will result in a change of icon. In the climates subjected to abrupt weather changes (e.g. sunny to rainy weather) the station will operate more precisely than in a climate with small weather variations (e.g. almost always sunny). In addition, an estimated forecast precision is about 75%.

The **La Crosse Technology** weather stations are the only ones being equipped with a pressure sensor which records pressure variations every 3 hours and which calculates, on a 12 hours average, and displays weather tendency averages. Consequently, the **La Crosse Technology** weather stations are more sensitive and more precise than all other similar products.