

PRECISETEMP® RFWWEATHER FORECASTER
WITH HYGROMETER(91185)



- **Base Station:**
 - 12 or 24 Hour selectable clock with two daily alarms
 - Indoor/outdoor temperature displayed in °C or °F
 - LED back light
 - Temperature range: -58°F to 158°F (-50°C to 70°C)
 - Time ratio frequency channels to monitor temperature in three different locations up to 100 ft in open space (additional remote sensors may be required)
 - Temperature alert feature
 - Memory function recalls min/max temperature and humidity readings at all locations
 - Indoor temperature: 32°F to 22°F (0°C to 30°C)
 - Humidity: 20% - 90%
 - Low-battery indicator
 - Weather forecast showing sunny, slightly cloudy, cloudy, rainy and cloudburst
 - Backlight
 - Requires 2 AAA batteries

Remote Sensor

Base Station

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

• Transmission range up to 100 ft. (range may be shorter based on amount of interference present in operation environment)

• Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)

• Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)

• 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32°F

• Requires 2 AAA batteries

ACTIVATING REMOTE SENSOR:

1. Insert remote sensor near base station.
2. Slide the sensor switch located inside battery compartment to channel 1 for setup of the first remote sensor. Select channel 2 or 3 for a second or third remote sensor. Do not select the same channel (1, 2 or 3) for an additional sensor.
3. Unsnap the click lock on the battery compartment door and turn the unit over to allow the battery door to drop out. Install 2 AAA size batteries into the battery compartment according to the polarity markings.
4. Press the "C"/"F" button located inside the battery compartment to select the temperature format.
5. Once the batteries are installed, the remote sensor should automatically register with the base station within 3 minutes. The selected channel number and temperature should now be displayed in the LCD of the base station.
6. To clear the battery door insert the battery door ton first, then push the door down and snap it back into place.

NOTE: If automatic registration does not occur within 3 minutes, press and hold the TX button located inside the battery compartment for at least 3 seconds to send a registration signal to the base station. If registration is successful, the temperature will appear on this confirming the new registration.

7. To activate and register a second or third remote sensor with base station, follow steps 1 to 5 for each sensor, making sure that all sensors are on different channels.

A " " icon will appear on the screen of the base station when the batteries for a remote sensor need to be replaced. When replacing the battery of a remote sensor, follow the instructions in the DEACTIVATING REMOTE SENSOR section to clear the memory at the base station first. Next, follow steps 1 to 6 above to re-register the remote sensor.

DEACTIVATING REMOTE SENSOR / CLEARING BASE STATION MEMORY

A remote sensor is deactivated by removing the batteries from the unit. To clear the base station memory you need to insert a pin or paper clip into the reset button (located above battery compartment) for approximately 5 seconds or until "....F" is displayed in the lower LCD. The base station is now ready to accept registration from a new remote sensor.

Setting the Clock and Date:

1. The clock can be set by following these steps:
 - 1. The clock can be displayed in either a 12 hour or 24 hour format. Press the "MODE" button for 2 seconds. The lower left LCD display will be blinking with 12 hr or 24 hr. Press the "+" or "-" buttons located on the back of the unit to select 12/24hr mode. Press MODE button to confirm setting.
 - 2. The LCD window will now display the hour and minute digits, with the hour digits blinking press the "+" or "-" buttons to select the hour then press the mode button to confirm the setting.
 - 3. The setting digits will now be blinking. Press the "+" or "-" buttons to select the minutes then press the mode button to confirm the setting.
2. **Note: A blinking "00" and "12" should appear in the display. This setting must always remain at "00". If setting is not at "00" press the "+" or "-" buttons to bring setting back to "00". Press the mode button to confirm this setting.**
3. The year will be blinking. Press the "+" or "-" buttons to select the year. Press the mode button to confirm settings.
4. The month will be blinking. Press the "+" or "-" buttons to select the month. Press the mode button to confirm the setting then select the day and press the mode button again.
5. The time setting mode will automatically exit in 8 seconds without any adjustment.

Setting Alarm Clock 1 & 2 Function:

1. Press the MODE button twice to set Alarm 1 (" " icon). Flashes on the LCD note: the display will go back to time mode if MODE button is not pressed for 5 seconds. Press and hold the Set/Clear button on the back of the unit for 2 seconds. The hour digits will now be blinking. Press the "+" or "-" button to select the hour and press the Set/Clear button to confirm the setting. Repeat these steps to select the minutes.
2. To Set Alarm 2 Press the MODE button three times (" " icon). Flashes on the LCD note: the display will go back to time mode if MODE button is not pressed for 5 seconds. Press and hold the Set/Clear button on the back of the unit for 2 seconds. The hour digits will now be blinking. Press the "+" or "-" buttons to select the hour and press the Set/Clear button to confirm the setting. Repeat these steps to select the minutes.
3. The bell icon will be displayed if the alarm has been successfully activated.

To Stop the Alarm:

1. Press the snooze button, the snooze feature will be engaged and the snooze icon will be displayed.
2. The alarm snoozes for 8 minutes, then it sounds again.

Setting Indoor Temperature Alert:

1. Press and hold the alert button for 2 seconds, until the " " is blinking in the upper display.
2. Press the alert button a second time.
3. Press the "+" or "-" button to select the desired upper limit temperature.
4. Press the Alert button to lock in setting.
5. Press the "+" or "-" button to select the desired lower limit temperature.
6. Press the Alert button to lock in the settings.

Setting Outdoor Temperature Alert:

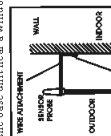
1. Hold the Alert button for 2 seconds, press the "+" or "-" button the lower display will be blinking. Press the Alert button a second time.
2. Press the "+" or "-" button to select the desired upper limit temperature.
3. Press the alert button to lock in setting.
4. Press the "+" or "-" button to select the desired lower limit temperature.
5. Press the Alert button a third time to lock in the settings.

To deactivate the temperature alert function, press the alert button on the back of the unit. The alert icon " " will no longer appear in the display if the alert has been deactivated.

PRODUCT INSTALLATION

Choose suitable places for the base unit and remote outdoor sensor. Place the base unit near a window, but away from direct sunlight or other sources of heat or air conditioning to ensure accurate air temperature readings.

The remote sensor should be located away from direct sunlight and sheltered from the rain. Locate the sensor unit in a clear area to avoid signal interference. The maximum transmission distance from the sensor to the base station is 100 feet. The sensor should be placed in an open space, away from obstructions or a screen between the sensor and the base station.



The detachable 10' probe can be used to determine the temperature in pools, freezers, soil or when temperature readings are required below 32°F. To install probe, insert probe plug on the side of the remote sensor. Place end of probe into the specific area to read corresponding temperature.

Using the Remote Sensor in Freezing Conditions:

When the temperature falls below freezing point, the batteries of the remote sensor will freeze if left outside. This will lower their voltage supply and the effective range. It is best in freezing conditions to keep the remote sensor indoors and use the 10' probe to measure outdoor temperature. The probe can be routed through an nearby window and attached with the wire attachment as illustrated in the diagram above.

The remote sensor can be mounted on a wall or stand on a table top. To wall mount the unit, drive a screw into the wall at the desired location until the head extends 1/8" from the wall. Then attach the sensor to the screw head.

PURCHASING ADDITIONAL SENSORS

Additional sensors like the one furnished with this set may be ordered directly from Springfield Precision Instruments by calling 1-888-809-3284. Please have a major credit card ready when placing the call.

LIMITED WARRANTY

Springfield warrants this product to be free from defects in workmanship or material for a period of one year from the date of purchase. During the warranty period, such defects in the product or its components will be repaired or replaced at no charge. This warranty does not cover damage caused by misuse, neglect, accident, fire, flood, or other causes outside of normal use. Springfield Precision Instruments is not responsible for consequential damages, including, but not limited to, warranties of fitness and merchantability are hereby limited in duration to a period ending one year from date of purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, which vary, from state to state. Repair or replacement will be made at our option if the instrument is returned postpaid with \$4.00 for return postage and handling to:

Weather forecasting is a complex process, if there is any inconsistency of weather forecast between your local weather station and this unit, the local weather station's forecast should prevail.

Display Outdoor Temperature:

1. Press "CHANNEL" button to view the 4 different modes to display the 3 channels' temperature. The 4 modes are: displays the 1" channel, the 2" channel, the 3" channel or auto scan alternates through 3 channels (" " icon shows on the LCD in this mode).

Hold "CHANNEL" button to register a new channel manually.

The " " icon on the LCD indicates the outdoor temperature is increasing.

The " " icon on the LCD indicates the outdoor temperature is steady.

The " " icon on the LCD indicates the outdoor temperature is decreasing.

Setting Temperature Alarm Function:

Weather forecasting is a complex process, if there is any inconsistency of weather forecast between your local weather station and this unit, the local weather station's forecast should prevail.

Display Outdoor Temperature:

1. Press "CHANNEL" button to view the 4 different modes to display the 3 channels' temperature. The 4 modes are: displays the 1" channel, the 2" channel, the 3" channel or auto scan alternates through 3 channels (" " icon shows on the LCD in this mode).

Hold "CHANNEL" button to register a new channel manually.

The " " icon on the LCD indicates the outdoor temperature is increasing.

The " " icon on the LCD indicates the outdoor temperature is steady.

The " " icon on the LCD indicates the outdoor temperature is decreasing.

Setting Temperature Alarm Function:

3. Press any button to stop the alarm.

To activate the back light, press the SNOOZE/LIGHT button. Light remains on for 5 seconds.

To deactivate the alarm, press the Mode button then press the "On/Off" button located on the back of the unit. If the alarm is activated an "on" icon will be displayed if the alarm is on, an "off" icon will be displayed. Follow the same steps to deactivate Alarm 2.

The bell icon will no longer be displayed on the clock if the alarm has successfully been deactivated.

Maximum/Minimum Memory Function:

1. Press MAX/MIN button once to show the maximum indoor, outdoor temperature and humidity readings.

2. Press MAX/MIN button twice to show the minimum indoor, outdoor temperature and humidity readings.

3. While the Max/Min is displayed press SET/CLEAR button to clear the recorded maximum or minimum reading.

Weather Forecast function:

1. Press "HOLD Pa" button for 2 seconds. Then press " " button to choose the current weather. The current weather must be input to activate forecast.

2. Press "HOLD Pa" button to confirm the setting.

For more accurate forecasting, input rainy weather again when it is raining.

The weather station will begin forecasting 6 hours after initial set up. The forecast will show one of the following five icons on the LCD.

- means Sunny

- means Slightly Cloudy.

- means Cloudy.

- means Rainy

- means Cloudburst.