DESCRIPTION
Simultaneously monitor local and remote temperatures with the Model WMS10 Wireless Temperature Monitor. Simply place the remote sensor at any location up to 100 ft. (30 m) away from the receiver—no additional setup is required.

BEFORE YOU BEGIN
For best operation read through instructions first:
1. Assign different channels to as many as three (3) Remote Sensors. Additional sensors can be purchased as Model WMS5.
2. Insert batteries for Remote Sensor before doing so for the Receiver.
3. Place the Receiver as close as possible to the remote sensor. Press the RESET button after installing batteries. This will ensure easier synchronization between the transmission and reception of signals.
4. Position the Remote Sensor and Receiver within effective transmission range, which, in usual circumstances, is 100 feet (30 m).

Note: The effective range is vastly affected by the building materials and where the Receiver and Remote Sensor are positioned. Try various setups for the best result.

Though the Remote Sensor is weather proof, it should be placed away from direct sunlight, rain, snow, and should never be submerged in water.

BATTERY INSTALLATION
Remote Sensor (includes Channel Selection)
The Remote Sensor operates on two (2) AAA size alkaline batteries.

Note: It is important to insert batteries in the Remote Sensor and select channel before starting Receiver. To install the batteries:

1. Loosen the screws on the battery compartment.
2. While battery compartment is open it is a good idea to select the channel number on the CHANNEL slide switch.
3. Insert the batteries as indicated by the polarity symbols (+ and -) marked inside the battery compartment.
4. Replace the battery compartment door.

Receiver
The receiver operates on two (2) AA size alkaline batteries. To install the batteries:

1. Slide open the battery compartment.
2. Insert the batteries as indicated by the polarity symbols (+ and -) marked inside the battery compartment.

PHYSICAL DATA
Operating Range: -4°F to 122°F (-20°C to 50°C).
Temperature Resolution: 0.2°F (0.1°C).
RF Transmission Frequency: 433 MHz.
RF Transmission Range: 100 ft. (30m) maximum.
Temperature Sensing Cycle: Approximately 30 seconds.
Weight: Remote Sensor: 3.5 oz (100 g); Receiver: 9 oz (50 g).
Mounting: Table stand or wall mountable.
Display: Large, 2" dual LCD.
Power: Four AA Alkaline batteries (2 per unit). Not included.

3. Replace the battery door.

Note: Replace the batteries when the low battery indicator of the particular channel lights up on the Receiver. (Repeat the steps described in section “Before You Begin”.)

GENERAL OPERATION
Once batteries are in place for the Remote Sensor, it will start transmitting temperature readings at 30 second intervals.

The receiver will start searching for signals for about a minute once the batteries are installed. Upon successful reception, the individual channel temperatures will be displayed on the top of the display and the indoor temperature (measured at the receiver) on the bottom of the display. The Receiver will automatically update its readings at 30 second intervals. If no signals are received, blanks “- - -” will be displayed and the kinetic wave icon will show. Press CHANNEL and HIGH/LOW MEMORY Button (on front) simultaneously to enforce another search (about 30 seconds). This is useful in synchronizing the transmission and reception of the remote sensor(s) and receiver.
HOW TO CHECK REMOTE AND INDOOR TEMPERATURE
The indoor temperature is shown on the bottom line of the display. As the Remote Sensor sites or channels, press CHANNEL to go from one channel to another. The Kinetic Wave Display on the channel number indicates the reception of that particular channel is in good order. If no readings are received from one particular channel for more than two minute, blanks “-” will be displayed until future readings are successfully found. Check that the Remote Sensor is sound and secure. You can wait for a little while or press CHANNEL and HIGH/LOW MEMORY button (on front) simultaneously to enforce an immediate search. No reading will be shown if no Remote Sensor is assigned to that channel.

The temperature trend indicator on the screen shows the trend of readings collected at that particular Remote Sensor site. Three trends: rising, steady, and falling, will be shown. If the temperature goes above or below the temperature measuring range of the Receiver or the Remote Sensor, “HHH” or “LLL” will be displayed.

HOW TO USE TEMPERATURE ALARMS
The temperature alarms allow you to set the upper and lower limits of readings for individual channels. The alarm will sound if a limit is exceeded. To set alarm:

1. Select the channel to be set.
2. Press the HI/LO Switch (on back) for the upper (Hi) or lower (Lo) limit. An “OFF” message will be displayed if the alarm for that limit is turned off.
3. Use the advance button ( ) to set the Hi or Lo temperature. If this is the first time you set the limits, the lower limit will start from -58°F (50°C) and the upper limit 158°F (70°C). Otherwise, the reading will start from the temperature last selected. Each press on the button will increase the temperature by one degree. Holding down the button will raise the reading by five degree increments.
4. Press TEMP AL ON/OFF button to switch off the “OFF” message. The set limit will be displayed.
5. Press HI/LO button to set another limit or return to normal display. The respective Hi, Lo or both indicators will light up to signify the status of the alarm.

When the alarm goes off, the display will switch to the respective channel with the display flashing. If undisturbed, the alarm will sound for one minute. Press any key to mute the alarm momentarily. The alarm will sound again if the temperature still exceeds the set limit. To disable an alarm altogether, select the channel and use TEMP AL ON/OFF to turn it off. If you have set the upper and lower temperatures for more than one channel and limits are exceeded, the alarm will go off with the display switching from one channel to another at five second intervals.

HOW TO SELECT THE UNITS OF MEASURE
Use the C/F slide switch on the receiver to select unit of measure. Select “C” for Celsius and “F” for Fahrenheit.

Note: The Remote Sensor temperature units of measure are controlled by the Receiver. Whatever the display units of the Remote Sensors are, they will be automatically converted and displayed to the chosen measurement of the Receiver.

HOW TO READ THE KINETIC WAVE DISPLAY
The kinetic wave display shows the signal receiving status of the Receiver. These are three possible forms,