

EXHIBIT 4
USER INSTRUCTIONS

DRAFT OPERATING INSTRUCTIONS FOLLOW THIS PAGE

USER INSTRUCTIONS
FCC ID: ELG THERMOTX
EXHIBIT 4

Wireless Indoor / Outdoor Thermometer

Congratulations on your purchase the DesignTech's Wireless Indoor/Outdoor Thermometer. This product gives you accurate indoor and outdoor temperature readings without the need to run a wire to the outdoor temperature sensor.

High and low set points can be set to give you an audible alarm when these high or low points are reached by the outside temperature sensor.

You can locate the outdoor sensor as far away as 100 ft depending on obstructions in the path. The indoor temperature is displayed on the lower line while the outdoor temperature is displayed on the upper line. Indoor temperatures are updated every several seconds. The outdoor sensor/transmitter updates once each minute.

Several Indoor Display units can be used with one Outdoor Sensor/Transmitter units if information at more than one location in the home is desired.

This product is quality engineered in the USA to provide years of service.

Outdoor Temperature Sensor / Transmitter:

Battery: The outdoor temperature sensor/transmitter is powered by a long-life 2032 lithium battery which should last about 1 year. This can be easily replaced at anytime. The battery is packed separate from the unit during shipping. Simply insert a dime into the slot at the side of the case and twist the dime to open the case. Slide the 2032 coin-cell battery into the batteryclip with the "+" side face up. You will see that this unit is 'o-ring' sealed to provide a water proof case. Close the case back together.

Mounting: Locate the Sensor / Transmitter in an outdoor or other remote location outside of direct sun to avoid excess heating due to direct sun-light. Use a screw to mount the unit or a string to hang the unit in the location of your choice.

Indoor Temperature Display Unit / Receiver:

Battery: This unit takes 3 "AA" alkaline batteries -- included in the package separate from the display unit. Open up the stand on the back of the display unit and slide the battery cover off. Place the 3 "AA" batteries in the appropriate locations noting the battery + and - direction notes. Battery life is about one year.

Using the System

When the unit first powers up, it spends the next minutes looking for a signal from the outdoor sensor/transmitter. When it sees this signal, it locks onto it to set this particular transmitter as the only one that it will respond to.

The indoor temperature will update anytime the temperature changes. The outdoor temperature updates once every minute.

'C' / 'F': Push this button to toggle between 'C' or 'F' for displays in centigrade or fahrenheit.

MIN / MAX: Pushing these two buttons will display the minimum or maximum readings since the unit was last reset. You can reset the minimums and maximums by pressing the **RESET** button.

SET: This button is used to set the alarm settings at which you would like the alarm to activate when the temperature reaches this 'set' temperature -- either on the way up or the way down. This feature only works on the Outdoor reading. If you want to have the unit alarm when the temperature gets down to 32°F, use the following steps:

SET

MIN

Scroll down with the 'i' button until it displays 32;F

SET

To turn off the alarm when it activates simply push the RESET button. To disable this feature

The same process can be used for a maximum temperature using the MAX button.

Other

This device complies with FCC Rules Part 15. Operation is subject to two conditions: 1) This device may not cause harmful interference, and 2) it must accept any interference received, including that which may cause undesirable operation.

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Mail Alert

Congratulations on your purchase the DesignTech's Mail Alert. This product sends a radio signal from the mail box to your home anytime the mail is delivered to notify you that the mail has arrived.

This product is quality designed, engineered and built in the USA to provide years of service.

Mailbox Sensor/Transmitter:

Battery: The Mail Alert sensor/transmitter is powered by a long-life 2032 lithium battery which should last about 1 year. This can be easily replaced at anytime. The battery is packed separate from the unit during shipping. Simply insert a dime into the slot at the side of the case and twist the dime to open the case. Slide the 2032 coin-cell battery into the battery clip with the "+" side face up. You will see that this unit is 'o-ring' sealed to provide a water proof case for years of service. Close the case back together.

Mounting: Locate the Mail Alert Sensor / Transmitter on the inside of the mailbox door using the double-stick foam tape provided. The exact orientation is not important since the unit responds to changes in any direction. In general the flat end of the case should be on the bottom when mounted.

Indoor Receiver Unit:

Power: Simply plug the wall adaptor into any 110V standard AC wall outlet. Plug the other end into the jack on the back side of the receiver unit.

Setting up the System

The transmitter and receiver unit are matched up to a particular unique code which is factory set. Simply move the transmitter (or if attached to the mail box door at this time -- open the door). The receiver unit should beep for a few seconds. The 'Mail' light will come on. It will then beep once every 5 minutes until the red reset push-button is pushed - at which time the light will go off.

If you do not get the unit to respond -- this may signify that the transmitter code needs to be taught to the receiver unit. This is accomplished as follows:

With the receiver unit powered up, switch the slide switch on the back closest to the middle of the case to the position to the left (closest to the antenna). Move the Mail Alert sensor/transmitter unit. The receiver will chirp indicating that it has learned the code. Slide the switch back to the right position closest to the end switch for normal use.

The switch on the back closest to the end is the volume switch. Set closest to the end of the case is low volume. Set closest to the switch to it's left is the louder volume.

Theory of operation:

This Mail Alert sensor/transmitter us a very sophisticated microprocessor controlled system. Unlike mercury switch sensors which only operate when moved in a certain direction -- this sensor uses a patented magnetometer sensor system which every second checks and sees it's orientation relative to the earth's magnetic field. A movement in this orientation -- in any direction -- will indicate an activation and cause the radio transmitter portion of the system to transmit to the indoor receiver unit.

There is a built-in turn of function in the system which will turn the transmitter off in the event the unit is be continuously moved for many minutes at a time. Thus when testing the unit -- be sure to let it settle in a given position before testing it.

Other:

This battery in the sensor/transmitter should last about 1 year. When the battery gets weak -- it may just stop transmitting one day -- or it may transmit many times in a row before stopping. Both these indicate that it is time to replace the battery.

This device complies with FCC Rules Part 15. Operation is subject to two conditions: 1) This device may not cause harmful interference, and 2) it must accept any interference received, including that which may cause undesirable operation.

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ELGMALRX

CANADA DOC:



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