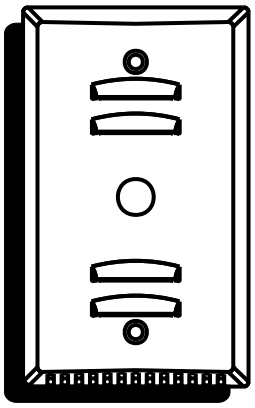
TOTALINE®

WIRELESS REMOTE SENSOR

MODEL P474-0401-1RF/REC

THE WIRELESS REMOTE SENSOR SYSTEM IS MADE UP OF ONE RECEIVER AND AT LEAST ONE WIRELESS SENSOR.

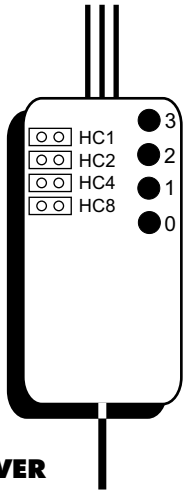
- Up to 8 Wireless Sensors may be used with 1 Receiver. (Unit ID #0 - 7)
- The Receiver automatically averages all the temperatures it receives from any and all Wireless Sensors, up to 8 on the same House Code as the receiver, and reports the average to the thermostat.
- The Receiver will only 'listen' to Wireless Sensors with the same House Code as the Receiver, and will 'ignore' Sensors with different House Codes than the Receiver.
- There can be up to 16 Remote Sensor Systems in each installation.
- If more than 1 Wireless Sensor is used with 1 Receiver, then all Sensors and the Receiver must have the same **House Code** for proper operation.
- If more than 1 Wireless Sensor is used with 1 Receiver, than <u>each</u> Sensor must have a different **Unit ID**.



WIRELESS REMOTE SENSOR
with Override button
MODEL P474-0401-1RF

SUGGESTIONS FOR USE OF ONE WIRELESS REMOTE SENSOR:

- To report the Outdoor Temperature when using a compatible Residential thermostat. *It is recommended to attach the Wireless Sensor to a North facing wall where it will not be in direct sunlight or the spray of sprinklers.*
- To report the temperature of a room, such as that of a Baby's room when using a compatible Residential thermostat.
- To control to, or to read only, the temperature at the return duct when using a compatible Commercial thermostat.
- To control the temperature in a space that is different from where the compatible Commercial thermostat is located.



RECEIVER

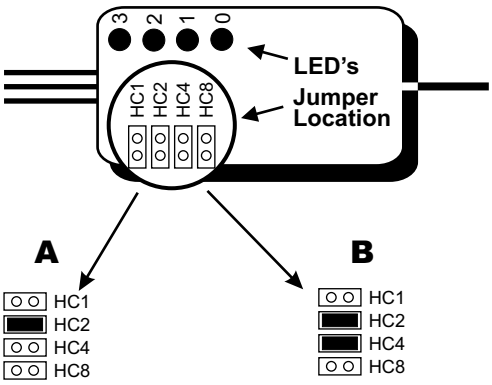
MODEL P474-0401-1REC

SUGGESTION FOR USE OF MULTIPLE WIRELESS REMOTE SENSORS:

- To control to an average of more than one Wireless Sensor in a large open space using a compatible Commercial thermostat. This type of application would include large, open office areas.

Receiver Setup & Installation

1 Set the House Code jumpers on the Receiver



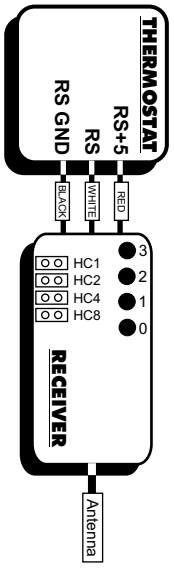
Example A

House Code
ID = 2

Example B

House Code
ID = 6
(2 + 4 = 6)

2 Connect the Receiver to the Thermostat



The Receiver is put inside the wall behind the thermostat with the antenna fully extended.

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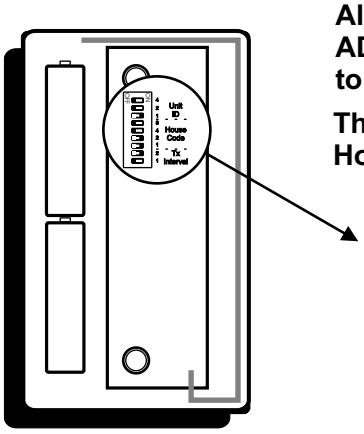
THE WIRELESS SENSOR CAN TRANSMIT THE TEMPERATURE IN ONE OF FOUR SELECTABLE TIME INTERVALS:

- **Every 5 Seconds.** This setting is most useful for Indoor Remote Sensor applications where fast response is needed. Such as: Remote Duct or Room Sensor applications.
- **Every 2 Minutes.** This setting is used for Indoor Remote Sensor applications where fast response is needed. Such as; Remote Duct or Room Sensor applications.
- **Every 5 Minutes.** This setting is also used for Indoor Remote Sensor applications under normal circumstances. Battery life expectancy is approximately 3 years at this setting.
- **Every 10 Minutes.** This setting is used for Outdoor Temperature reading for use with Residential Thermostats. Battery life expectancy is at its longest with this setting.

Wireless Sensor Setup & Installation

1 Set the Switches on the Wireless Sensor



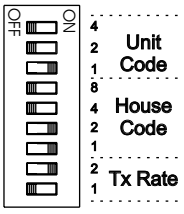
WIRELESS REMOTE SENSOR
Switch Location

All Switches in the OFF position = 0.
ADD all switches in the ON position to arrive at the setting.

The House Code must match the House Code setting on the Receiver.

Transmission Interval (Tx Interval)
0 = 5 Seconds
1 = 2 Minutes
2 = 5 Minutes
3 = 10 Minutes

A



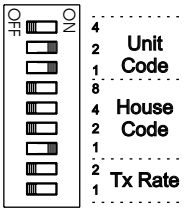
Example A

Unit
ID = 1

House
Code = 3
(1+2 = 3)

Tx
Interval = 5 min.
(2)

B



Example B

Unit
ID = 3
(1 + 2 = 3)

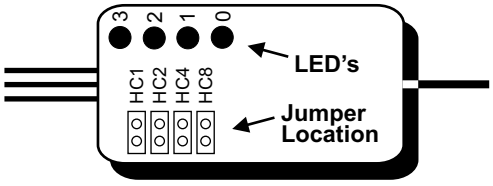
House
Code = 1

Tx
Interval = 5 sec.
(0)

2 Attach the Wireless Remote Sensor to the Wall.

Use the supplied screws to secure the Wireless Sensor to the wall.
Care must be taken when installing on to a J-Box to avoid drafts from behind the Sensor.

Troubleshooting & Diagnostics



- Use only Lithium AA Batteries. Voltage should be 3.1 - 3.6vdc.
- The Receiver's antenna must be fully extended for proper operation.
- Make sure the Receiver & Sensor use the **same** House Code #.
- The Receiver has 4 LEDs. The LEDs correspond to Unit ID #0 - 3. When the Receiver receives a valid temperature from a Wireless Sensor, the corresponding LED will blink and stay on until the next valid transmission. If a valid transmission is not received within 15 minutes, the LED will turn off.
- The Receiver can receive and average up to 8 different Unit ID's on the same House Code, but the LEDs will only indicate the 1st 4, (#0 - 3). The LEDs are included as a diagnostic tool to confirm reception.
- Temperature Range of Wireless Sensor is 32° Fahrenheit to 125° Fahrenheit.

FCC ID: MUHRSTX

RF Sensor P474-0401-1RF/REC
FC Tested to Comply with FCC Standards
FOR HOME OR OFFICE USE