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## Instruction Manual

Mini-Split Wireless Wall Thermostat Kit

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## Manuel d'instructions

Kit de thermostat mural sans fil Mini-Split

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## Manual de instrucciones

Kit de termostato inalámbrico  
para pared Mini-Split

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DFSWLWTOA



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## Mini-Split Wireless Wall Thermostat Kit

Your kit includes:

- 
- 1 Thermostat
  - 1 Battery Backplate
  - 1 Mini-Split Control Card
  - 4 Plastic gyproc screw anchors and 4 screws
  - 4 432 Screws – 1" which anchor the thermostat to the backplate
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# MINI-SPLIT THERMOSTAT CONTROL PACKAGE

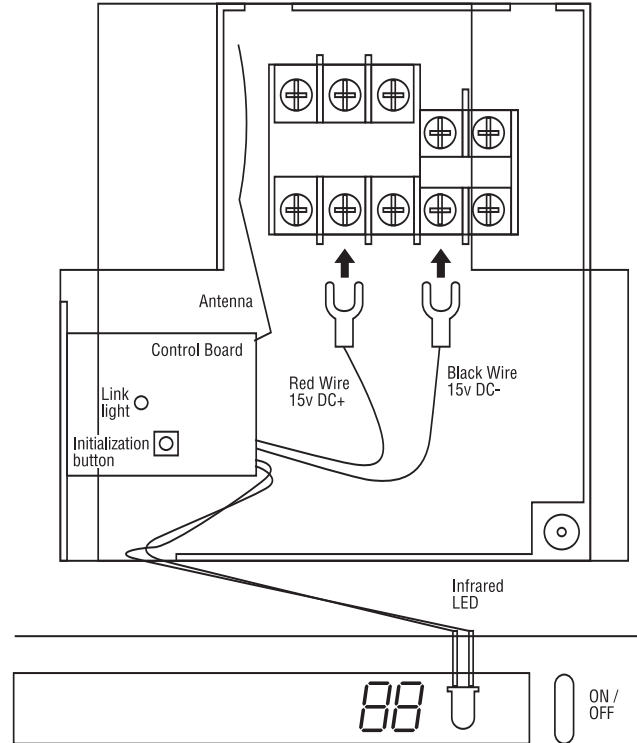
LG Electronics, Inc.

**IMPORTANT – LG Mini-Split UNIT must be unplugged before starting the installation.**

Refer to Mini-Split Owner's Manual

- 1 Remove Front Grille Cover by pulling out the bottom of the front grille and then lift up.
- 2 Remove Option Cover of the Control Box, located on the right side, by removing the screw at the top.
- 3 Power up the LG Mini-Split UNIT.
- 4 Wire the Minisplit Control Card as per the diagram.  
Once you have wired the card, place the sensor aligned to the cover. Remove the adhesive cover and firmly press the plastic housing to the Mini-split unit.

## Installation Diagram of LG Mini-Split Control Board



## INSTALLING THE THERMOSTAT

Locate your Thermostat approximately 5 ft (1.5m) meters above the floor. For best results ensure that the thermostat is away from direct sunlight and on an interior wall.

Using the dimensions 3.2" wide 3.1" (81mm x 78mm) high or the template included, locate where the thermostat will be placed and cut out the space on the wall.

Insert the battery backplate into the cut-out area ensuring the top is up

Mark the four inside holes for drilling the 3/16" holes required for the plastic screw anchors

Remove the battery backplate and drill four (4) 3/16" holes in these locations.

Insert the plastic gyproc screw anchors and tighten them securely.

Mount the battery backplate using four (4) supplied screws

Insert two (2) D batteries into the recess. **Important: Use only Alkaline Size D batteries for normal life operation.**

Align four (4) pins on the thermostat to the battery backplate and gently but firmly attach the two units together

Using four (4) 1" screws provided, place them in the four outside holes and fasten tightly. Replace the top trim.

## ADVANCED SETTINGS

**The LG Mini-Split Wireless Wall Thermostat Kit is designed to work seamlessly with the LG Mini-Split Unit. In many installations multiple units will be installed so to ensure proper installation and operation each Wireless Wall Thermostat in every room must be merged within the proximity of the Mini-Split Unit the same room. Follow these steps for success every time!**

### STEP 1

On the bottom right of the thermostat touch and release the black reset button.

- Touch target centre
- When you see the display indicate touch for advanced settings – touch the screen immediately
- **Now you are ready to setup the thermostat.**



# ADVANCED SETTINGS - WELCOME



- 1 **DAYLIGHT TIME** : Choose Daylight Time On or Off dependent on your Time Zone.

**FILTER:** Enter the air filter "fan run time" information here. The Filter Monitor feature uses this information to inform you when to change or clean your air filter by displaying CHANGE FILTER icon on the HOME SCREEN.



**ENERGY WATCH:** Enter the HVAC system consumption parameters (rounded off to kW) as well as your electrical energy cost (¢/kW) and the ENERGY WATCH feature will display a real time totals of electrical energy consumption and cost. To review touch the ENERGY WATCH button on the MENU SCREEN.

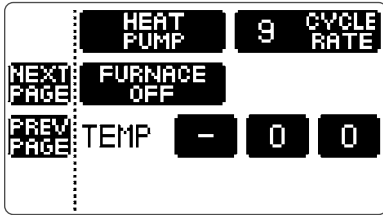
\* EXAMPLE: Heat Pump 1 kW/ton, 5-30 kW, 7-9 ¢/kW

ENERGY WATCH feature will run consecutively for 255 days. If you do not enter your information what will appear on the display is the total time the Compressor has been operating.



# ADVANCED SETTINGS

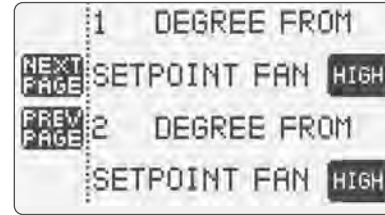
These are the factory default settings



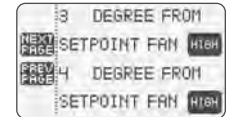
- **IMPORTANT:** By inadvertently modifying system configuration settings, you may seriously degrade HVAC system performance.
- Choose system heating and cooling equipment – remember all you need to do is toggle the appropriate button until the correct setting appears.

- 1 Choose HEAT PUMP** (Factory setting)
- 2 Choose FURNACE OFF** (No Furnace)
- 3 CYCLE RATE :** Set the Maximum compressor cycles per hour. We recommend that the factory default be maintained for optimal performance.

THE LG Mini Split Thermostat can run the fan in 4 speeds to ensure quality air circulation and comfort. By initializing the fan between 1 and 4 degrees from your setpoint, and choosing the fan speed you control comfort and maximize efficiency, and reduce fan noise.



- HIGH Speed Fan*
- Medium Speed Fan*
- Low Speed Fan*
- MAX Speed Fan*



## ADVANCED SETTINGS



The LG Wireless Wall Thermostat Kit is designed to work seamlessly with the LG Mini-Split Unit. In many installations multiple units will be installed so to ensure proper installation and operation each Wireless Wall Thermostat in every room must be merged with the Mini-Split Unit the same room.

- 1 Press INIT Mini-Split on thermostat screen 5 seconds until you see the message: **PLEASE WAIT....**
- 2 Immediately press the black button located on the Mini-Split Control Card

## ADVANCED SETTINGS

### Final Phase



- 3 Within 1 minute a message will appear on the screen acknowledging the communication links:

#### **LINK SUCCEEDED**

Touch **TEST Mini-Split**  
The fan will immediately come on

#### **LINK FAILED**

You need to repeat  
the above steps

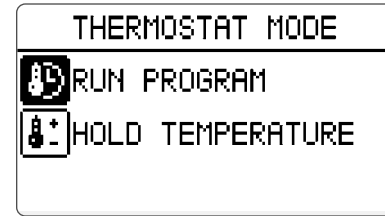
- 4 You have now merged the thermostat with the Mini-Split Unit. Momentarily touch the reset button on the bottom right corner of the thermostat and when the message *TOUCH FOR LG THERMOSTAT* appears, touch immediately. You have now configured the thermostat and you can move to the room settings.

## USING THE THERMOSTAT

International Icons provide friendly and easily recognizable symbols with word back-up to control all features.



## THERMOSTAT MODE



Your Mini-Split thermostat can run in Program Mode or hold a fixed temperature.

**RUN PROGRAM :** Your custom program settings will be initiated – 4 events per day including the fan mode.



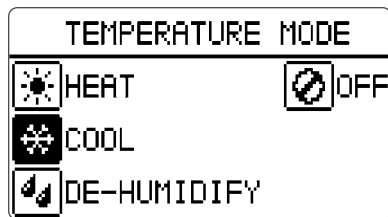
**HOLD TEMPERATURE :** Allows you to raise or lower the temperature setpoint by touching the heat/cool



- to lower + to raise



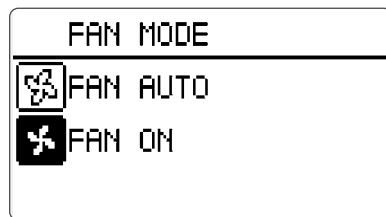
## TEMPERATURE MODE



- HEAT : Raise or lower the heat setpoint
- COOL : Raise or lower the cool setpoint
- DE-HUMIDIFY : Initializes the fan to reduce humidity
- HOME : Returns you to the main screen



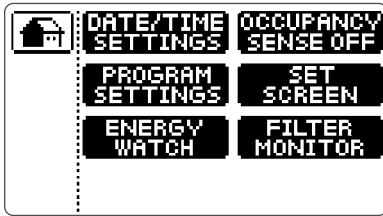
## FAN MODE



- FAN AUTO : The fan will run on only when there is a demand for heating or cooling.
- FAN ON : The fan runs continuously



## MENU PAGE

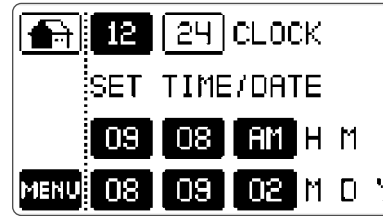


→ To access the Menu Page, simply touch Menu from the Control Page. Remember it is as easy as a touch of the button.



- Set-up of your Mini-Split Thermostat is effortless with intuitive menu driven programming - on our patented touchscreen.
- Enter **DATE AND TIME SETTINGS** : Program 7 days with 4 events per day to improve efficiency and reduce energy costs
- **ENERGY WATCH** : display kWh consumption as well as the dollar cost of the HVAC System - configure this feature in Advanced Settings
- Access the **SET SCREEN** menu
- View **FILTER MONITOR**

## MENU PAGE - DATE AND TIME SETTINGS



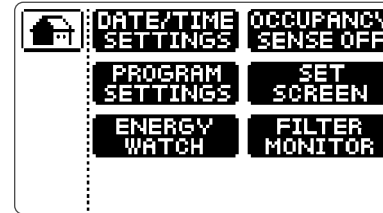
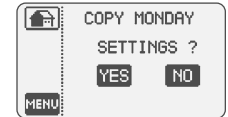
- Select the 12 or 24 hour clock display.
- Set the time of day by choosing hour and minute buttons.
- Set the Month, Day and Year by choosing the buttons.

## MENU PAGE - PROGRAM SETTINGS

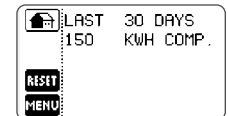


- **PROGRAM SETTINGS** : This feature easily and quickly programs your thermostat to fit your needs and lifestyle. Remember by programming the thermostat you can increase energy efficiency and reduce costs.
- 7 Day Programmable with 4 events per day including Fan Mode
- Select the Day of the Week
- Select the Event number: for example 1
- Select the Start Time: for example 7:00 AM
- Choose desired temperature setpoint – by raising or lowering the heat/cool button
- Choose the next event: for example 2 and repeat the steps

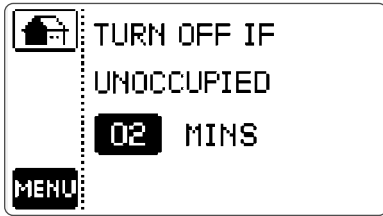
Once you have set all the events for one day you may copy the same settings to other days of the week. First ensure that your program settings are correct. Then select the next day of the week that you would like to have the same program setting. Mini-Split will then prompt you to copy the settings. Remember that you must choose RUN Program from the control page to activate this feature.



- **ENERGY WATCH** : This unique and patented feature provides a display of system energy consumption and the cost of running your HVAC system. This feature must be activated in the **ADVANCED SETTINGS** of the Thermostat.



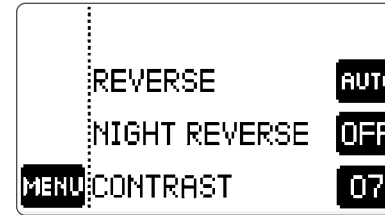
## MENU PAGE - OCCUPANCY SENSE ON



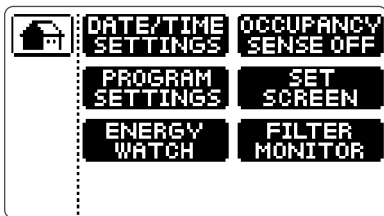
OCCUPANCY SENSOR will determine whether the space is occupied or unoccupied and then will turn on or turn off the equipment to ensure maximum comfort, energy and efficiency.

## ADVANCED SETTINGS

SCREEN 2 This page allows for custom settings for lighting



- **REVERSE : OFF | ON** By choosing OFF – the screen will be viewed in normal mode. By choosing ON – the screen is reversed providing a different design effect if required.
- **IMPORTANT :** When using the battery backplate ensure the setting is to AUTO. Setting the backlight to ON will seriously affect the battery life expectancy
- **NIGHT REVERSE : OFF/ON** The patented Night Reverse Feature will turn the screen to reverse at 9 PM for easier nighttime viewing and return to a regular screen at 6:00AM
- **CONTRAST : 1-9** This allows to change the screen contrast for best viewing we recommend that the setting remain at 7.



- **FILTER MONITOR** : Displays filter usage in days and resets filter timer – when activated the FILTER MONITOR icon will appear on your HOME PAGE – this feature must be activated in ADVANCED SETTINGS.
- Now you have configured and set-up your thermostat!

## CURRENT TAP

Current Tap Model PYRCUCC1A

The LG PTAC Wireless Thermostat can be hardwired using the Current Tap Accessory – please refer to the installation instructions included with each Current Tap.



**CAUTION: DO NOT USE BATTERIES WHEN USING THE CURRENT TAP - EXTREME DAMAGE CAN OCCUR.**

**FCC Statement** THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

**FC** FCC ID: RAN 90064  
FCC ID: RAN 90164

INDUSTRY CANADA IC: 2294A-90064  
INDUSTRY CANADA IC: 2294A-90164

**c UL US LISTED**

US PATENTS: 6,786,421  
OTHER PATENTS PENDING

**Hardware** LG Electronics warrants the original end user (“Customer”) that new LG Electronics branded products will be free from defects in workmanship and materials, under normal use, for two (2) years from the original purchase date.

**Software** LG Electronics warrants to Customer that the LG Electronics thermostat software will perform in substantial conformance to its program specifications for a period of two (2) years from the date of the original purchase.

**Exclusions** This warranty excludes (1) physical damage to the surface of the product, including cracks or scratches on the touch-screen or outside casing; (2) damage caused by misuse, neglect, improper installation, unauthorized attempts to open, repair, or modify the product, or any other cause beyond the range of intended use; (3) damage caused by accident, fire, power changes, other hazard, or Acts of God; or (4) use of the product with any device if such device causes the problem.

**Exclusive Remedies** Should a covered defect occur during the warranty period and Customer notifies LG Electronics, Customer’s sole and exclusive remedy will be, at LG Electronics’ sole option and expense, to repair or replace the product. Replacement products or parts may be new or reconditioned or a comparable version of the defective item. LG Electronics warrants any replaced product or part for a period of ninety (90) days from shipment, or through the end of the original warranty, whichever is longer.

**Obtaining Warranty Service** Customer must contact and return product to a local LG Electronics product dealer or installer within the applicable warranty period to obtain warranty service. Dated proof of original purchase will be required. LG Electronics will not be responsible for Customer’s memory data contained in, stored on, or integrated with any products returned to LG Electronics for repair, whether under warranty or not.

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