

Activent

Electronic Room Temperature Regulator



User Manual and Installation Guide

Caution:

Do not attempt to install or operate this product without reading this manual. For additional information, please visit www.theactivent.com.

A smart product by
inova

Innovation

95% of homes with central heating and/or air conditioning share a common problem. Some rooms get too hot when the heat comes on or too cold when the air conditioning comes on.

An average home in North America has 9-12 rooms with typically 2-4 rooms being over heated or over cooled.

Comfort

Installing an Activent in each of these rooms helps eliminate this problem. The homeowner simply replaces an existing air register with an Activent unit complete with its own electronic louver system. This louver system is controlled by a temperature controller (RTC) that is mounted on the wall or simply placed in the room. The homeowner sets the desired temperature for the room and the RTC will open or close the louver system in the Activent unit to maintain the desired temperature.

Energy Savings

In addition to maintaining the desired temperature in Activent controlled rooms, the Activent redistributes the hot or cold air to other rooms. This allows the rest of the home to reach its set temperature in a more efficient manner, therefore helping reduce utility bills by up to 5% per Activent equipped room (I.E. two rooms up to 10%, etc.).

Number of Vents Per Home

We recommend installing an Activent unit only in rooms that are too warm during the heating cycle and/or too cold in the cooling cycle. However, we do not recommend installing Activent systems in more than 1/3 of the air registers.*

*Activent can be used in multi-zoned HVAC systems. In such installations you may install Activent in up to 1/3 of the air registers within each zone.

Number of air registers in home	Maximum number of Activents recommended
8	2
9 to 11	3
12 to 14	4
15 to 17	5
18 to 20	6
21 to 23	7

Installation: Step 1 - Unpack

The Activent package contains 3 items; (1) The Activent louver system, (2) Activent louver cover and (3) a Remote Temperature Control (RTC).

Activent Louver System



Activent Louver Cover



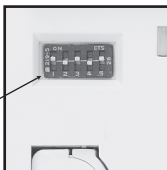
Remote Temperature Control



Installation: Step 2 - Matching the Activent and RTC combination codes

Locate the combination code switch on the Activent louver system (fig. 1) and the RTC (fig. 2). The combination code is set by aligning a series of 5 micro switches. Slide the micro switches with the tip of a ball point pen to match that of the RTC.**

(fig. 1) louver system
"micro" switches



(fig. 2) RTC
"micro" switches



****IMPORTANT!** If you are installing more than one Activent in different rooms you must make sure the combination code is set differently for each room. If you are installing 2 (or more) Activents in the same room you must make sure all the combination codes are set the same for the RTC in that room (one RTC per room).

Installation: Step 3 - Insert Alkaline Batteries into Activent

Activent - First remove the grill cover from the Activent louver system. Next slide the battery case latch to the open position while pulling gently on the warning label. The battery case should come out easily (fig. 3). Open the battery case. (fig. 4)



(fig. 3)



(fig. 4)



(fig. 5)

Install 4 AA alkaline batteries (fig. 5) making sure the batteries are oriented in the right direction and push the battery case back into the Activent until it latches.

IMPORTANT! Alkaline batteries are recommended to ensure optimal performance. Alkaline batteries should provide a run time of approximately one year.

Installation: Step 4 - Placing the Activent Unit into the Air Inlet

Remove old grill and register from the air inlet.

Place the Activent unit into the air inlet and secure with provided screws. Once the Activent unit is secured place the Activent grill cover over the unit. The grill cover has four strong magnets which attach to the metal mounting plate of the Activent unit.

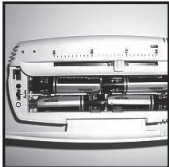
Installation: Step 5 - Installing the Remote Temperature Control (RTC)

Select a location (preferably across the room from the Activent unit) to mount the RTC. Mount the RTC at approximately shoulder height using the 2 screws provided with your RTC (a wall template is included at the end of this instruction sheet).

The RTC may also be placed on a dresser or night stand (remember to keep the RTC away from the air flow of the Activent so proper operation will occur).

Installation: Step 6 - Setting up the Remote Temperature Control (RTC)

Open the front cover of the RTC and insert 4 alkaline batteries making sure the batteries are oriented in the right direction. (fig. 6)



(fig. 6)

IMPORTANT! Alkaline batteries are recommended to ensure optimal performance. Alkaline batteries should provide a run time of approximately one year.

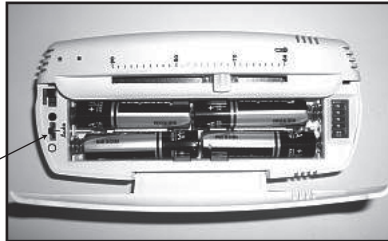
Set the heating/cooling slider to the desired position. If the central HVAC is on heat set the RTC slider to the heating mode (red). If the central HVAC is on air conditioning set the RTC slider to the cooling mode (blue). This setting is important because the RTC is designed to respond to temperature increases during heating cycles and to temperature decreases during cooling cycles.

Auto Mode

When the Mode switch (fig. 7) is in the “Auto” position, the opening and closing of the Activent louvers is controlled by the RTC.

- = Closed
- Auto = Auto
- = Open

(fig. 7) Mode switch



Manual Mode

The Activent may be opened or closed manually.

To open the Activent louvers, slide the Mode switch to the “Open” position. The Activent louvers will now remain open.

To close the Activent louvers, slide the Mode switch to the “Close” position. The Activent louvers will now remain closed.

Installation: Final Step - Setting the Room Temperature with the RTC

Make sure that the RTC is in the “Auto” position. Set the RTC slide to the desired temperature for the room. When the room reaches the set temperature the Activent louver system will close automatically. The Activent will open automatically once the temperature in the room changes back by more than 2 degrees Fahrenheit.

Time to Change Batteries

Batteries for the Activent and the RTC should last for approximately one year. We recommend that you change the batteries once a year to insure optimal operation. In the event that the batteries run low, the RTC will emit a low battery warning light. A yellow flashing light on the front of RTC indicates it is time to change batteries in the RTC. A red flashing light indicates it is time to change the batteries in the Activent louver system. Once fresh batteries are installed the light will extinguish after approximately 5 minutes.

Limited Warranty

Inova Products, Inc warrants, to the consumer of this product, that it is free from defect in material and workmanship for one year from the date of purchase. Inova Products shall not be liable for incidental, indirect or consequential damages, due to improper installation and/or abuse. Inova Products obligation is limited to repair or replacement of the purchased products. For warranty service, please call Inova Products directly at 1 888 544-6682. Do not return products to the retail store.

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