



## Portable wireless motion sensor triggered alarm with a wireless doorbell and an airwick motion sensor

by **Brna** on June 21, 2011

### Table of Contents

Portable wireless motion sensor triggered alarm with a wireless doorbell and an airwick motion sensor . . . . .	1
Intro: Portable wireless motion sensor triggered alarm with a wireless doorbell and an airwick motion sensor . . . . .	2
Step 1: Digitized sensor input . . . . .	2
Step 2: The Idea . . . . .	3
Step 3: The finished project . . . . .	3
Related Instructables . . . . .	4
Comments . . . . .	4

## Intro: Portable wireless motion sensor triggered alarm with a wireless doorbell and an airwick motion sensor

I had the idea to combine these two items for some time now, so when a local store got the wireless doorbell for about 11,50USD I just had to buy it....

Parts and tools needed:

Soldering station

Screwdriver

Something to cut the pcb

Wires

1x tip31 transistor

1x Airwick motion sensor

1x Wireless doorbell

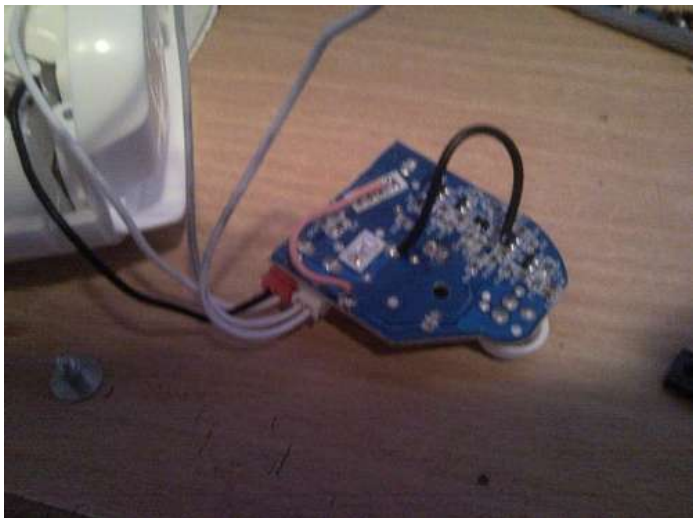


## Step 1: Digitized sensor input

<http://www.instructables.com/id/Re-purposing-an-Air-Wick-Freshmatic-Compact-i-Moti/step4/Approach-1B-Digitized-Sensor-Output-Small-Module/>

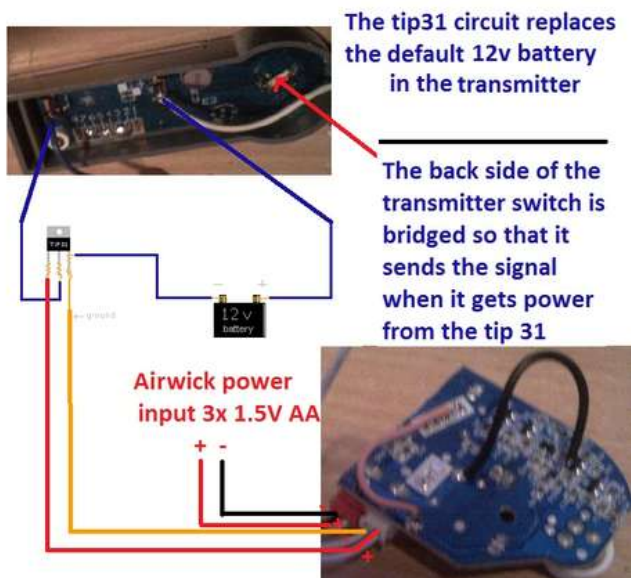
Tnx Doug Paradis, this step gave me some trouble.

I only changed a part of his method, I just used some solder and no drilling.



<http://www.instructables.com/id/Wireless-motion-sensor-triggered-alarm-with-a-wire/>

## Step 2: The Idea



## Step 3: The finished project

I was in a hurry, and had no idea for the transmitter housing so i put it all in the airwick housing. I hope to hear your ideas and adjustments.



CLICK TO PLAY VIDEO 



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## Related Instructables



**Re-purposing an Air Wick Freshmatic Compact i-Motion** by Doug Paradis



**Cheap Motion Detection Wildlife Camera** by Doug Paradis



**Hack a wireless doorbell into a wireless alarm switch or on/off switch** by jman31



**How to make a motion activated doorbell** by p07gbar



**Guard Dog Burglar Alarm!** by Kipkay



**Optical Doorbell Alarm** by mischka

## Comments

8 comments

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**Brna** says:

Here's the upgrade, I'll post the instructions within a few days .

Jun 23, 2011. 4:18 AM [REPLY](#)

[http://www.youtube.com/watch?v=hXeync9\\_76U](http://www.youtube.com/watch?v=hXeync9_76U)

Hope you like it! It's connected over the mic input. The voltage must not exceed 0.7V! The software used on the computer is iSPy .cheers:P



**CedricAnne97** says:

Jun 21, 2011. 11:45 AM **REPLY**

This was littelary what I was thinking of today :P Would it be possible to connect to pc and make it like a loud alarm coming from te pc? A bit like this one actually (

)



**generaljuan** says:

Jun 21, 2011. 8:49 PM **REPLY**

Hypothetically I believe you could do that, but it'd be difficult. You'd need to some how convert the alarm portion into a digital input to send over a USB cable to your computer. It'd be a lot of work. Unless I'm way off base.



**Brna** says:

Jun 21, 2011. 9:30 PM **REPLY**

Actually you can rig any input device to send the signal to the computer, and than its all about the software. Im just looking for the cheapest/easiest way to do it, and then i will post. The mic input on the sound card could be used with a program like webcamXP to do what ever you want when it hears something from that input. You could rig anything, a keyboard, an usb device , usb, serial port... I will try to make something cheap and easy :)



**generaljuan** says:

Jun 23, 2011. 8:17 AM **REPLY**

I actually came up with a pretty simple idea. Wire it through a spare keyboard, and you can have multiple sensors set up at once. Then use a program, say MIT Scratch (a basic game creator by MIT. and its free), and just hot key alerts (just word bubbles) to the keys on the spare keyboard that you wired the alarm to. Only problem is that you would have keep the scratch game open for it to work.



**Brna** says:

Jun 23, 2011. 9:25 AM **REPLY**

Well im happy with the i spy mic setup for now, and it supports multiple mic's/cameras. It can be set so that it plays any program/playlist/sound/command so its very nice. It could be used for non wireless motion operated commands :) Well anything is possible, the real question is: What do you need :). And orks from tray. try it : <http://www.ispyconnect.com/download.aspx>



**CedricAnne97** says:

Jun 22, 2011. 1:51 PM **REPLY**

Thanks, now I know what I can do this vacation :P



**Brna** says:

Jun 23, 2011. 1:02 AM **REPLY**

:P