# Open Sesame Pi

## DIY Raspberry Pi Door Monitor

*November 27, 2015*

*Fritzing has an amazing desktop application which functions as a virtual breadboard.*

*Browsing the list of components, I came across something unusual, a magnet-based electrical switch called a reed switch. According to that wikipedia article, one of its more common applications is "to detect the opening of a door, when used as a proximity switch for a burglar alarm."*

*Looking them up on various electronics catalogs, I found several cheap units pre-molded for mounting on doors.*

*Could I connect one to a Raspberry Pi as a cheap door monitor?*

*Yes, there were several examples of how to use a reed switch with the Pi's GPIO pins , and thanks to the RPi.GPIO library, programming a reaction when the switch (door) opens and closes was simple.*

## Pull Requests Welcome!

*My current version just sends an email alert, but it's open-source and can be extended to do more interesting things.*

> *OpenSesamePi on Imgur*