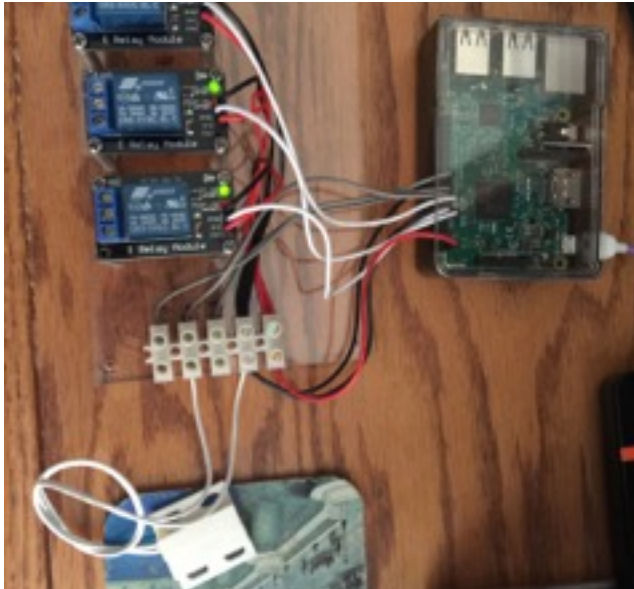


PiGMi BOM



Based on my prototype build in the photo

Part	Source	Notes	Approximate price
Raspberry Pi	https://www.adafruit.com/product/3055	Any Raspberry Pi should work. If you use Raspberry Pi 3 you might not need the Wifi Dongle. This example uses a Pi3. If using a Pi0 you will need OTG USB cable for the Wifi Dongle.	\$39.95
8GB Micro Sd	https://www.adafruit.com/products/2692	Need Operating system plus Apache2, PHP,Python (already there on core)	\$9.95
Power supply	https://www.adafruit.com/product/1995		\$7.95
Wifi Dongle	https://www.adafruit.com/products/2810	You will need on if not using the Pi3	\$11.95
Relay	https://www.amazon.com/gp/product/B00P7QDJ2/ref=oh_aui_detailpage_o03_s00?ie=UTF8&psc=1	This was the kind I used. You need one per door.	\$2.27

Part	Source	Notes	Approximate price
Terminal Block	https://www.adafruit.com/products/677	This example is a 4 block so might need more per your versions.	\$2.50
Magnetic Switch	https://www.adafruit.com/products/375	One per door	\$3.95
Connecting Wire	https://www.adafruit.com/products/1950	I cut off one end when connecting to the terminal blocks. You could use Male-Female jumpers of any method you prefer. This was my method.	\$1.95
Bell Wire	http://www.homedepot.com/p/Southwire-100-ft-20-2-Twisted-Bell-Wire-56750023/205717549?cm_mmc=Shopping%7cTHD%7cG%7c0%7cG-BASE-PLA-D27E-Electrical%7c&gclid=CjwKEAjww_a8BRDB-O-OqZb_vRASJAA9yc5XO98f-p38n4CCViWmN8pHIPXtOO1zHZoDc5IAQzG6xoCwdXw_wcB&gclsrc=aw.ds	Just an example of the kind of wire I used for the relay to opener and switch to circuit board.	\$11.08
Misc parts		Cases, standoffs, staples for the main installation. That's up to you the installer...	\$8.45
Approximate total (7/31/16)			\$100.00