Virtual Security Panel

Gomes, Isabelli
Silva, Christian

The residential security is leaving of be only an accessory and becoming a technological tool increasingly needed. This can be visualized comparing the first semester of 2010 with the 2015 in Rio de Janeiro-Brazil, in which was reduced, approximately, 25% in the index burglaries to residences. Contributing for this occurrence, appeared several types of systems in the same level to the needs and to the residential environments, therefore, currently, are found several of them in the electronic security market. Therefore, will be approached during the research the systems that utilized the access code throughout biometry or throughout keyboards touch. Besides that, the access code current systems are very common due to be easier utilization and remarkable effectiveness. However, they have a failure. When receive the passwords, because of the buttons, screens or the biometry use. So, in the contact with the surface, the mark of digital or slips remains because of natural skin oiliness, allowing its cloning. The project eliminates the found flaws because it is based in a virtual system that utilizes a panel of optical sensors instead buttons. Still, distinguishes itself from the ordinary ones because the user can draw your password without touch needs; and, to present about 50% of cost of a current system economically most viable as well.