

Description

[0001] The invention refers to an alarm system, which is placed from the inner side a door, inside the keyhole. An oblonged section, which protrudes from the main body of the alarm system penetrates the keyhole until it reaches its outer side and blocks the entrance. At this state, then the main body of the alarm system abuts on the inner side of the door, sticks to it with magnetic plates and presses a switch - button, which protrudes and sets the alarm system in stand by mode.

[0002] In an attempt to break the lock by placing any burglary tool inside the keyhole, the oblonged section of the alarm system, which blocks the entrance to the keyhole from the outside moves inward causing the detachment of the main body of the alarm system which was stuck in the door with magnetic plates and the switch - button, which was in a stand-by mode, activates the siren.

[0003] There may be other similar door alarm systems in the market, which operate in different various ways such as anti-vibration, magnetic, with photocell etc. However, there have been reported some drawbacks in this device, such as, being set to operation by mistake or after the burglary, have a high cost of acquisition and maintenance.

[0004] The advantage of this invention is that acts as a deterrent to burglary, by being visible the blocked entrance of the keyhole from the external part of the door, is a compact and low cost device. In addition, is battery operated and easy to install even by a non-specialist.

[0005] The key feature of the present invention is the oblonged section of the alarm system, which penetrates the keyhole from the inner side of the door and clogs up the exit.

[0006] The Keyhole alarm system according to (drawing 1), consists of the two outer shells (1) (2). Within the shell (1) there is the siren (3), the electronic board (4), the switch - button (5), the battery (6) and the external ON-OFF switch (7). The shell (2) is the cover of the first shell (1), and is that

which includes the oblong section (10) which penetrates the keyhole and clogs up the exit. This oblonged section (10) is removable and can be changed with similar parts available within the sale package, depending on the type of lock, which has to be applied, in order to fit into each keyhole. Further more, the oblong section can be screwed or clipped to the shell (2), can be plastic or metal, and in any case by its construction, it will be longer than the typical length of a keyhole, in order to be cutted and adjusted by length in the specific keyhole which is to be applied. There is also a small hole (9) from which exits the switch - button (5), which, when the alarm system is applied to the door, this button is pushed in and the circuit opens, setting the alarm into stand by mode. In a case of buglary attempt, when the alarm system is drawn away even by a few millimeters from the door the Switch - pushbutton (5) moves together with the alarm system, closes the circuit and activates the siren. There will be

also, a rosette (11) included in the package, which it will be stuck with double sided duck tape around the inner side of the doors' keyhole (in case, the surface of the door is not metal) to enable the shell (2) with its magnets plates (8) to stick to the door and hold the oblong section (10) inside the keyhole.

Claims

1. The keyhole alarm system is installed on the inner side of the door inside the keyhole and includes:

The main body comprising:

Firstly, outer shell (1), which includes, the siren (3), the electronic board (4), the battery (6), the switch (7) and the switch - button (5)

secondly, outer shell (2) which applies as a cover to the first outer shell (1) abuts on the inner surface of the door and includes the magnetic plates (8) through which sticks at the door and a small hole (9), that is the exit for the switch - button (5), which is pushed to the inner surface of the door and sets the alarm in standby mode. Further more, the second shell includes:

An oblong section (10) that:

Is adjusted to the second outer shell (2)

extends vertically in relation with the surface of the door

penetrates the keyhole from the inner side of the door

has a length equal with to the length the keyhole, in order to clog up sufficiently the entrance of the keyhole from the outside of the door, which in case of an attempted burglary and especially an attempt to introduce a tool in the key hole, the oblong section moves inward causing the detachment of the main body of alarm system from the door, which leads to activation of the siren due to removal of the switch - button (5) from the door.

2. Keyhole Alarm system according to claim 1, where the oblong section (10) is a removable replacement.
3. Keyhole Alarm system in accordance with the above mentioned claims, where the oblong section (10) has specific shape in order to fit the respective keyhole.

4. Keyhole alarm system in accordance with the above claims, where the oblong section (10) is adapted, clipped or screwed, to the main body of the alarm system.

5

5. Keyhole alarm system in accordance with the above claims, where the oblong section (10) is metal or plastic.

10

15

20

25

30

35

40

45

50

55

DRAWING 1

