

# OLD DOG ELECTRONICS

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The Mini House Alarm is designed to provide low cost protection to smaller houses, apartments, garden flats, guest-house room's and out buildings.

The MHA-100-KS has three channels, 2x alarm channels from wired PIR / switch sensors, Ch1 is an instant alarm, Ch2 can be set for an instant alarm or an entry delay with a jumper, 1 x panic alarm channel. The alarm operates off a 12v dc supply, battery charged from mains, or solar power. It is armed by a key switch with the alarm status being displayed with an LED. The siren time is adjustable. The alarm panel is very compact, being approximately 120mm x 120mm x 40mm.

#### Standby Mode

In the standby mode, the alarm does not trigger if the sensors detect movement. This mode is set whilst the area is occupied. If panic buttons are connected, they will be active in the standby mode.

The status LED shows when any of the sensor channels are active. This is useful when testing the alarm.

#### Armed Mode

The armed mode is set when leaving the house. When switched to the ARMED mode, the alarm has a 20sec exit delay to leave the area before being armed. During this time, motion sensors will ignore movement. The siren "chirps" twice a few seconds before the system is armed. Once armed, the alarm will trigger immediately when movement is detected from the external sensors or from a panic button.

When entering the house, it's important to ensure only delayed movement sensors are triggered or the alarm will sound immediately.

#### Mini House Alarm Data Sheet

MHA-100-KS

- Compact 120x 100mm x40mm
- Two PIR / sensor input channels; Chan2 can be set for an entry delay.
- Panic button channel
- Relay output to trigger other systems
- Relay output for a siren and strobe light
- 12v DC operation
- LED diagnostics
- Very low power consumption
- Easy to install
- No remotes, armed by a key switch
- Adjustable siren time
- Locally manufactured
- 12 month warranty

#### Night Time Operation

**Important:** The system doesn't allow individual areas to be turned off at night. If you'll need to move around after bedtime (like going to the bathroom), it's important to carefully place the sensors to avoid triggering false alarms. If avoiding sensor detection isn't possible, you'll need to set the system to standby mode during those times.

#### Alarm Power

The alarm operates from 12vdc, this makes it very versatile. Our combined AC charger with internal 1.3Ahr battery can power the alarm for 20hrs. Using a 7Ah battery can power the alarm for up to 5 days. We are currently testing a compact, lower cost Li-Ion battery option which can power the alarm for approximately 8hrs. This option can allow the alarm to be charged from a USB phone charger, and further lowering its cost.

#### Installation

Can be done anyone by anyone competent with basic electrical DIY tasks. Full information is available on our website <https://olddogelectronics.co.za/house-alarm.html> We also manufacture a key-less version of the alarm. This is the MHA-100-MK. It uses a magnetic keyfob to arm and disarm the alarm.

**OLD DOG ELECTRONICS**

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