

## Texecom Product Profile

# *Odyssey E Series*

## External Sounder and Strobe Units

**Products:** *Odyssey E Series: Odyssey 1E, Odyssey 2E & Odyssey 3E*  
External Sounder and Strobe Units

**Description of Use:** Designed for maximum reliability at the most cost-effective price, the *Odyssey E Series* brings high security with high end sounder technology into the residential marketplace. Each incorporating a high quality piezo sounder, powerful stroboscopic light, strong 3mm-polycarbonate and ABS construction with double tamper detection and enclosed advanced microprocessor electronics. Including amongst a host of exceptional features a unique patented safety engineer hold-off facility<sup>†</sup> to aid installation and servicing.

**Intended Market:** Particularly aimed at residential premises but also suitable for commercial, light industrial or industrial locations.

<sup>†</sup>World-wide patents pending



*Odyssey 1E*



*Odyssey 3E*



*Odyssey 2E*

## Product Background:

External sounder and strobe units (or “bell boxes” as they are commonly known) have long been used to externally signal an alarm by producing a high volume sound and a visual indication of an alarm occurring. Bell boxes also serve as a deterrent to would be thieves as they indicate that the premises have a security system installed.

Traditionally, there has been a marked difference in the quality of high-end commercial bell boxes and residential external sounders. Residential bell boxes are extremely low cost units and are perceived to be “commodity” products with little or no difference between the quality of different manufactures models.

## Product Brief:

“To design a stunning range of external sounders aimed at protecting residential premises that require maximum security at the most cost effective price.”

## Product Solution:

The *Odyssey E Series* is based upon the outstanding high end *Odyssey Series*.

### 1. Enclosed Electronics.

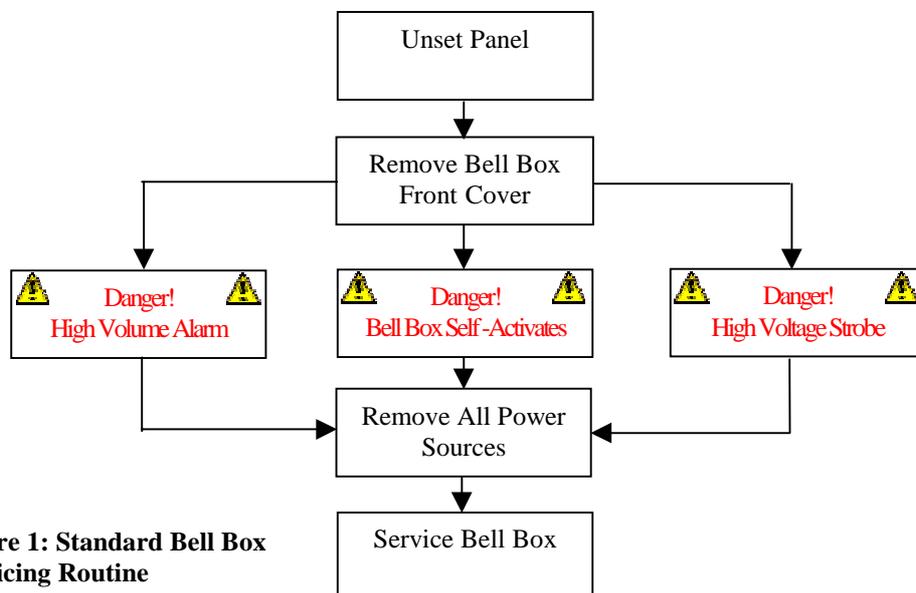
Each *Odyssey E* contains **enclosed electronics**, ensuring reliable performance in even the most extreme of climatic conditions. The unique terminal block cover allows easy access to the terminals and seals around each individual wire. As access into the inner cover is not required, the *Odyssey E Series* remains easy to install whilst sealing the entire electronics module.

Because of the weatherproof design combined with the high quality 3mm polymer construction, the *Odyssey E Series* comes with a 2-year guarantee.

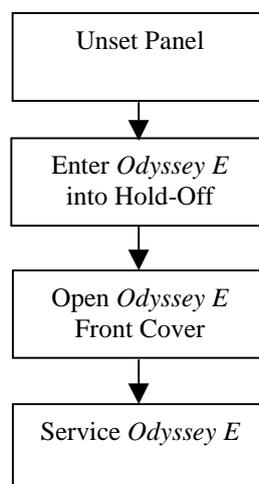


## 2. Unique Patented Safety Engineer Hold-Off Mode.

Each *Odyssey E* uses advanced microprocessor technology to control the functionality of the bell box. A unique engineer hold-off system allows an installation engineer to install and service the bell box without setting off the alarm, disabling the self-activation on tamper function. Most control panels have a method for the engineer to test the siren and the strobe. An engineer can use these panel outputs to communicate with an *Odyssey E* in order to invoke the hold-off mode. Alternatively, if the control panel does not have these facilities, the signals can be generated manually from inside of the control panel. In either respect, only a bona fide engineer can cause an *Odyssey E* to enter hold-off mode because the panel output signals can only be produced after the engineer has entered the engineer code into the control panel. The *Odyssey E Series* can allow an engineer access without diminishing the tamper security of the system.



**Figure 1: Standard Bell Box Servicing Routine**



**Figure 2: Odyssey E Servicing Routine**

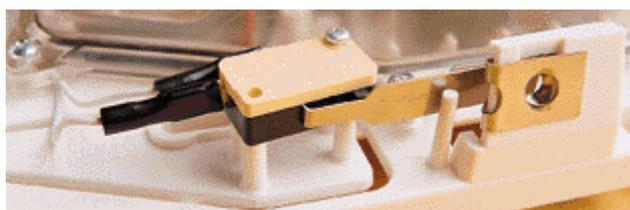
### 3. An Unrivalled Specification.

The *Odyssey E Series* boasts an outstanding overall specification. A 1W strobe combined with a specially designed multifaceted lens creates a powerful visual indicator.



All strobes produce hazardous voltages. As well as having the electronics enclosed, each *Odyssey E* includes dual circuit safety interlocks. When the strobe is deactivated, a final flash is invoked to discharge the high voltage. Back-up circuitry guarantees discharge of the high voltage within three minutes.

For tamper detection, a high quality microswitch is used to detect screw and wall tamper on the *Odyssey 1E* and *Odyssey 2E* models, lid and wall tamper for the *Odyssey 3E* version. Each wall tamper uses a unique “diving board” mechanical solution. The dual tamper microswitch sits on a plastic lever that is screwed to the wall. If the unit is pulled from the wall, the lever causes the microswitch to open causing the tamper to be detected. This method allows for secure, easy installation because the tamper lever is adjustable and can account for any uneven wall surface.



A high quality piezo sounder is fitted for a high volume alarm. It is fitted onto a designated acoustic cone that channels the sound waves for increased volume.

Each *Odyssey E* can be used as a Self-Contained Bell (SCB) if the option is selected. In this mode the unit draws the majority of its sounding current from the built in nicad battery rather than from the control panel, allowing for the connection of multiple *Odyssey E*'s to the one control panel.

**Summary:**

- *A breakthrough in bell box design, the **Odyssey E Series** is unique in design, concept and performance, being interactive bell boxes with environmental protection.*
- *The communication facility to activate the unique patented hold-off feature is a brand new technology developed wholly by Texecom for use in this application. Nothing like this has previously been seen in the security industry.*
- *The **Odyssey E Series** redefines the level of performance expected from residential bell boxes and can be used in the most extreme of climatic conditions.*