

# ***Xtra-Sense Pedestal / Plinth Alarm***



The Pedestal / Plinth Alarm product is a fully portable, battery powered security display. The sensors and electronics are built into the unit, allowing it to be used where required without any setting up.

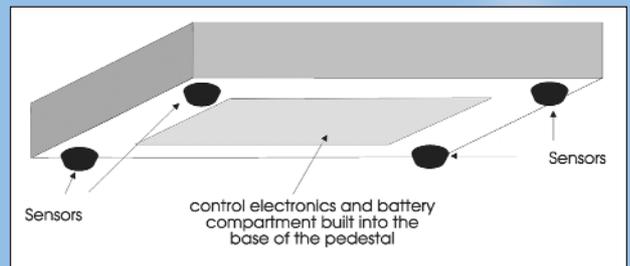
Its is ideal for displaying single items, and especially suitable where either mobility is important, or a fully wire free security system is required.

Applications include museum and retail displays, exhibitions, and fairs.

Pedestals are typically manufactured from medium density fibreboard (MDF), but can also be produced in wood and other materials as required. Finishes can include painting, upholstery, and laminate facing.

## ***The Alarm Signal***

Standard units incorporate a simple audible buzzer or siren. Low intensity buzzers provide a local warning to staff, without creating an intrusive or uncomfortable sound level. Where a penetrating alarm siren is required, a loud two tone siren is fitted. See our guide to the selection of buzzers and sirens to help specify the optimum system.



The maximum length of the alarm signal can be specified by the customer, and is factory set. The preferred duration can be adjusted by the operator up to the maximum time. On activation, the alarm will trigger for this length of time, and then reset automatically.

In addition to the standard audible output signals, other devices that can be incorporated as special options include lights, LEDs, and wireless transmitters to external alarms, pagers etc.

## ***Alarm Sensitivity***

System sensitivity is defined as the minimum weight change required to trigger an alarm. Two general levels are available:

- Standard systems are rated at 60g - 80g
- High sensitivity systems are rated down to 35g - 45g.

Customised versions with higher or lower sensitivities can be supplied.

## ***Pedestal/Plinth Dimensions***

Pedestals can be manufactured to most requirements of size subject to the sensitivity required, and dimensions of the alarm signal devices to be built in.

A table setting out the minimum dimensions for pedestals of different sensitivities incorporating the standard audible alarm devices is given overleaf. Please contact us for advice on the most suitable plinth design for your application.

## **Minimum Plinth / Pedestal Dimensions**

<b>Sensitivity Required</b>	<b>Siren Required (refer to siren guide leaflet)</b>	<b>Minimum Pedestal Height</b>	<b>Minimum Pedestal Dimensions</b>
Standard 60g - 80g	Type 1 - Very loud two-tone siren	60mm	200mm x 200mm or 215mm diameter
Standard 60g - 80g	Type 2 - Loud two-tone siren Type 3 - Med. intensity buzzer	28mm	190mm x 190mm or 190mm diameter
Standard 60g - 80g	Type 4 - Low intensity buzzer	18mm	160mm x 160mm or 160mm diameter
High 35g - 45g	Type 1 - Very loud two-tone	60mm	200mm x 200mm or 215mm diameter
High 35g - 45g	Type 2 - Loud two tone siren Type 3 - Med. intensity buzzer	28mm	190mm x 190mm or 190mm diameter
High 35g - 45g	Type 4 - Low intensity buzzer	18mm	160mm x 160mm or 160mm diameter**

*\*\* may be subject to an upper limit in plinth dimensions*

### **Battery Life**

With no activations, battery life is in excess of 30 months (18mm) and 5 years (28mm / 60mm). A small number of daily activations of short duration will not reduce the battery life significantly.

### **Pedestal Weight Carrying Capacity**

The maximum weight that a pedestal can carry is determined by the capacity of the *Xtra-Sense* load sensors, and the distribution of weight carried by them. The following table provides a guide.

<b>Pedestal Sensitivity</b>	<b>Maximum Allowed Loading Per Sensor</b>	<b>Maximum Allowed Loading On A Typical Four Sensor Plinth Weighing 1Kg</b>
Standard	4kg (9lb)	15kg (33lb)
High	3kg (6.5lb)	11kg (24lb)

Up to 75% of the maximum load level, sensitivity remains constant. Above this loading level the sensitivity may decline slowly. Sensors loaded above their maximum level may become damaged, and show a significant and permanent drop in sensitivity.

The maximum allowed loading on a typical four sensor pedestal assumes that the weight of pedestal plus object(s) is roughly equally distributed over each sensor. Increasing the number of sensors used will increase the maximum weight capacity of the pedestal.

Customised systems with higher levels of sensitivity than 35g - 45g will have a lower maximum loading allowance per sensor.



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