Protection of Pedestals in Museums and Exhibitions

We protect your values!

Today furniture is on display in many museums and exhibitions. In most cases these are historical furniture or three-dimensional works of art and exhibits are usually presented on display pedestals. Modern scenography - but also pressure on costs - means that the object is not in addition housed in a display cabinet.

The primary goal is to secure the objects against physical contact. Depending on the design of the pedestal various security strategies can be applied. If the object is suitable for capacitive protection (metal objects, e. g. bronze sculptures) the individual protection of the object can be pursued.

Another possibility is to secure the entire pedestal against physical contact or unauthorized access. With this in mind it is irrelevant which exhibit is on the pedestal.

The Solution with Human Detector

The **Human Detector** alarm sensor is mounted under the pedestal - not visible to the viewer. A capacitive field is generated via the sensor plate or foil, which is also mounted in a concealed manner. Depending on the material of the works of art the field can expand, e. g. if the object to be monitored is made of metal or other conductive material. If it consists of non-conductive material, the detection area is limited to an area around the sensor surface. The detection range can be extended by other means, e. g. the use of aluminium foil within the object to be protected. A porcelain bust is thus completely protected against physical contact, even though the material is not conductive. If the entire surface of the pedestal is to be secured the sensor foil is attached to the edge of the surface with a distance of approx. 10 cm to the edge. The seismic sensors integrated in the **Human Detector** alarm sensor can monitor the pedestal and thus the work of art on it. Vibrations that may occur when the object is raised or the pedestal is hit by someone are immediately detected and reported as an alarm.

The alarm signal of the **Human Detector** sensors can be connected to external alarm systems - both wired and wireless options are possible. Depending on the location, it is also recommended to connect a video surveillance system. This allows the immediate assessment of the situation and preservation of evidence. **Human Detector** automatically controls PTZ cameras.
Due to the continuous further development, there may be differences in functionality between the different versions of the **Human Detector** modules. More detailed information can be obtained from us or our trained partners on request.

heddier electronic GmbH
Raiffeisenstraße 24
48734 Reken, Germany

www.human-detector.com
info@human-detector.com
Tel. +49 (2864) 95 178 - 0

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What Material is Needed?

The listed material is required for the protection of furniture in exhibitions and museums.

Basic Equipment:

Human Detector alarm module

Assembly and small parts

Sensor foil

Optional Accessories:

Human Detector alarm centre

Power supply 12V DC

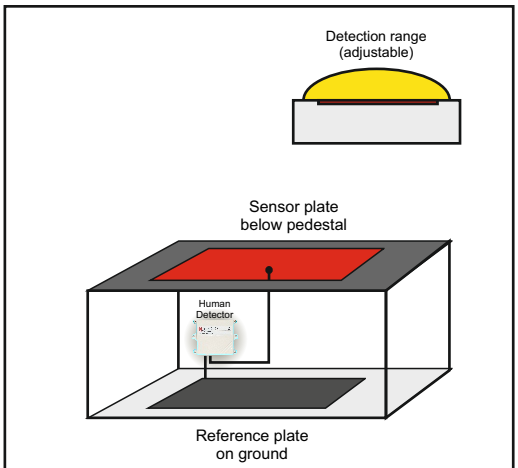
Installation - This is How it is Done

Please read the operating instructions carefully before commencing any work. Position the **Human Detector** module under the pedestal on which the item is placed. Ideally, it is made of non-conductive material.

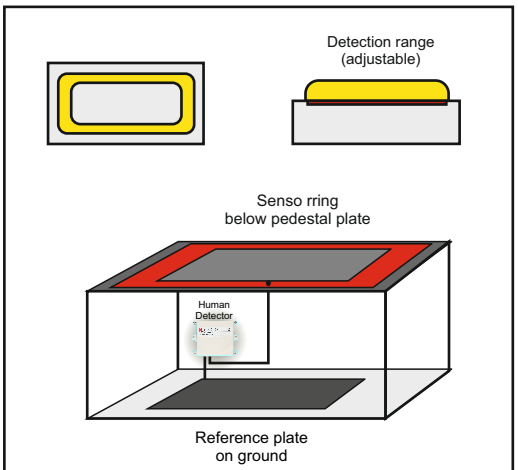
Nevertheless metal pedestals can also be secured - but this requires special knowledge. Install the sensor foil underneath the pedestal and connect it to the sensor input of the **Human Detector** module. For reference, a piece of cable or a metal plate can be connected to the reference input of the **Human Detector** module. The **Human Detector** module should be firmly attached to the pedestal. This enables it to detect vibrations and structure-borne sound.

Select a low sensitivity setting in the alarm module. Then switch on the module. Test the alarm activation by trying to touch the secured pedestal. You can change the sensitivity in the **Human Detector** module and repeat the process until you have found the ideal setting. Repeat this procedure also for the seismic sensors, if required. The material of the sculpture/statue can result in various detection ranges. The capacitive method is ideal for securing metal objects such as bronze statues.

Connecting to the **Human Detector** alarm centre or to an alarm loop of a burglar alarm system can be carried out subsequently. This work should only be carried out by trained personnel.



Protection of small pedestals



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