

Protection of Statues and Sculptures



We protect your values!

Statues and sculptures are related three-dimensional objects of art, which in most cases are presented on exhibition platforms. They can be made of different materials. A large number is made of metal (e. g. bronze) or natural stone such as marble, sandstone and granite.

The primary goal is to completely protect the objects against physical contact. Depending on the design of the pedestal various security strategies can be applied. The task can also vary. It makes sense for example to protect metal objects against physical contact. There is a risk of damage to the surface.

Objects made of granite for example are less sensitive. The aim here is to detect major mechanical influences or moreover the theft from the platform.



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. The art object can expand depending on the material it is made of. This is the case if the object to be monitored consists 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.

The seismic sensors integrated in the **Human Detector** alarm sensor can monitor the pedestal and thus the work of art it is on. Vibrations that may occur when the object is raised or 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.

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What Material is Needed?

The listed material is required for the protection of sculptures and statues.

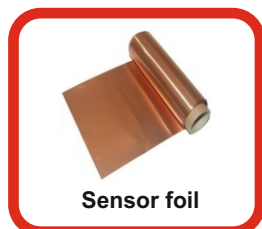
Basic Equipment:



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 specialist 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 object. 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. The complete object is now protected.

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.

