

Alarm System for Display Cabinets in Museums and Exhibitions



We protect your values!

Display cabinets are indispensable in museums and exhibitions. Their task is the protection of works of art and museum exhibits against theft, vandalism and environmental influences.

The basic protection is achieved by glazing the display cabinets. Depending on the design this can offer various degrees of protection. In many cases, however, it is necessary to provide additional protection of the display cabinets. Break-in attempts are to be detected at the outset and the object is to be protected from further damage. Even if break-in attempts are not successful, they often result in considerable damage to the exhibits and the display cabinet.

In many cases, the proper closure of the display cabinet and the correct operation of the air-conditioning are also to be monitored.



The Solution with Human Detector

The **Human Detector** alarm sensor can be installed in a concealed manner inside the display cabinet. By using seismic sensors, it monitors the surface areas and reliably detects break-in attempts and knocks against the glass body. The completely self-sufficient operation is possible without the need for additional wiring, thanks to battery operation and wireless transmission of the alarm data.

A switch contact is connected to the external alarm input of the **Human Detector** module to monitor the closure of the display case, if required. In addition the alarm outputs of the climate control unit or the safety wires in the glass are also monitored. Depending on the type of alarm activation a range of messages can be triggered. These are wirelessly transmitted to the **Human Detector** alarm centre.

The **Human Detector** alarm module can take on additional tasks, if required. A radar sensor or capacitive monitoring can be activated. This additionally protects the exhibit against physical contact. However, this is only necessary in a few cases due to the basic protection provided by the glass body.

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 Materials are Needed?

The listed material is necessary in order to carry out the described task for securing the object. Depending on design or size of the display cabinet the implementation of several **Human Detector** alarm modules may be necessary.

Basic Equipment:

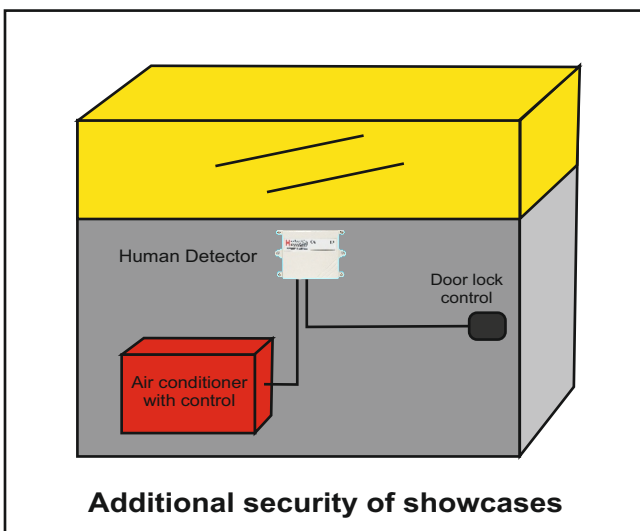
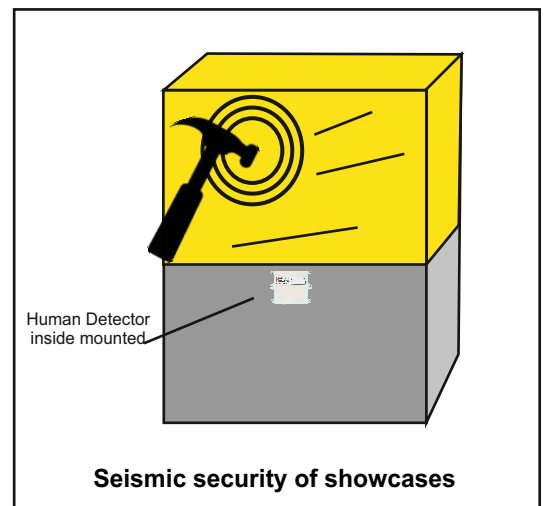


Optional Accessories:



Installation - This is How it is Done

Please read the operating instructions carefully before commencing any work. Bolt the **Human Detector** module to the inside of the display cabinet. It is important to find an installation location inside the display cabinet where the vibrations of external mechanical influences (impacts and break-in attempts) are well transmitted. Set a low sensitivity setting. Then switch on the alarm module. Test the alarm activation by carefully hitting the surface of the display cabinet with a hard object without causing any damage to it. You can change the sensitivity and repeat this process until you have found the ideal setting.



Please be aware that there is a risk of accidental activation in highly vibrating floors. The sensitivity should be reduced in this case. If necessary, the external alarm input is then connected to potential additional sensors, e. g. a switch for closing control, the alarm output of the air conditioning system or the connection of the "glass spider".

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.