

# Protection of Automobiles in Museums and Private Collections



**We protect your values!**

The value of automobiles has risen sharply in recent years. Not only is this true for classic cars but also for racing cars. More and more museums and private collectors therefore focus on collecting these objects.

The protection of automobiles can prove to be quite complex. Older vehicles in particular are equipped with parts that can easily be detached. Painted surfaces and old leather seats can also be damaged by physical contact. Due to the size and cost, however large, vehicles cannot simply be protected in glass display cabinets.

The required protection needs to be inexpensive, invisible and quickly installed. If necessary, the owner must have unrestricted access to their vehicle. Structural changes to the vehicle are of course not permitted.



## The Solution with Human Detector

Available systems - such as laser scanners - are not suitable for the protection of automobiles. They are expensive and lead to an increase in false alarms, as it is difficult for visitors to notice the cordoned off area. Structure-borne noise sensors only report an "attack" when the vehicle is hit. PIR motion sensors are not accurate enough.

The **Human Detector** alarm sensor is positioned under the automobile in a concealed manner. It can also be hidden inside the vehicle or in the wheel arch. The capacitive proximity sensor is connected to the vehicle. It is possible to connect a second vehicle. Both vehicles are secured this way. If the vehicles' surface is touched, an alarm is immediately triggered. If desired, the sensitivity of the safety mechanism can be set so that the alarm is triggered even before the actual contact is made.

The protection set-up described above works on metallic parts and surfaces. Structure-borne sound sensors are additionally installed in the **Human Detector** alarm module. They detect when there is an attack on glass or tires. It is also possible to connect a radar sensor for open vehicles. It seamlessly monitors the otherwise easily accessible interior of the convertible.

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 automobiles in private collections and museums. Depending on the installation, up to two vehicles can be secured with a **Human Detector** alarm module.

### Basic Equipment:



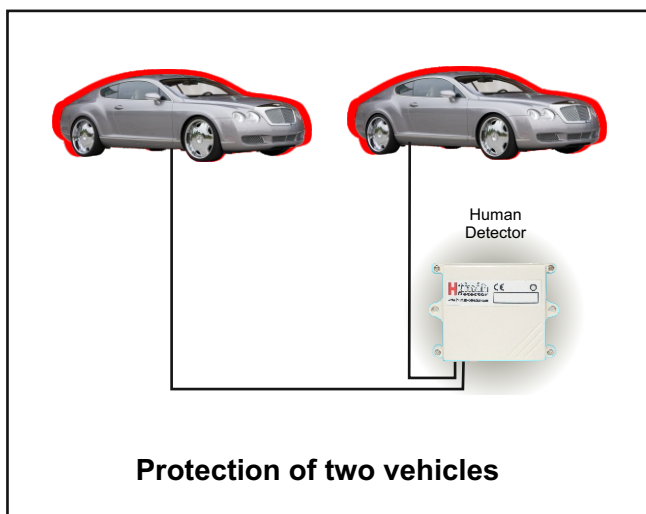
### Optional Accessories:



## Installation - This is How it is Done

Please read the operating instructions carefully before commencing any work.

Place the **Human Detector** module inside the vehicle or in a concealed location underneath the vehicle. Connect the capacitive sensor input to a conductive point on the vehicle. A screw on the chassis would be ideal for this purpose. The reference input is connected to a metal plate underneath the vehicle. It can be hidden under a carpet or be the common oil tray on older vehicles for example. Select a low sensitivity setting in the alarm module. Then switch on the module. Test the alarm activation by trying to touch the automobile. You can change the sensitivity in the **Human Detector** module and repeat the process until you have found the ideal setting.



A second vehicle can also be connected to the reference input instead of the metal plate. This secures both automobiles. It is recommended to additionally switch on the seismic sensors for objects with larger, non-conductive surfaces. The exact procedure is described in the manual.

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.