

NEU



BEECH MARTEN

or

CAR MARTEN

Extended warranty

If despite a regular installation of our anti-marten system a damage caused by marten takes place in the first year, our company "Franz Rinke, production and distribution" will be ready to replace your repair costs up to a total value of € 50. In order to do so we require:

- the devices
- the purchase invoice and/or the filled in warranty cards.
- the invoice for the installation and engine wash (engine wash is mandatory for this warranty and has to be documented on your invoice)
- a photo and/or a sketch of the installation
- the invoice for the repair

The marten is an animal amenable to natural law. Therefore we cannot provide you with a never-know-to-fail warranty for the protection of your automobile.

MARDERSCHOCK - S2000/30

This basic device protects your vehicle from damage by these small predators by emitting high sound pressure within the ultrasonic range.

Attention! If a marten has already caused damage to your car, you have to clean the engine compartment thoroughly in order to remove the marten's scent marks.

Our company also features a stronger 200V-based anti-marten system with a range up to 15 meters that protects attics, barns and other large rooms.

The Anti-Marten-System

base device S 2000/30 + additional sound transducer add-on S 2100/10

Install both devices for optimal protection

Installation manual and requirements for the base device S 2000/30

1. technical specification

Upgrade with an additional sound transducer (model S2100/10) is possible and recommended

operating voltage: 12V

current consumption (normal operation): Ø 11 mA

current consumption with S2100/10: additionally 8 mA

current consumption (power saving mode): Ø 6 mA

current consumption (stand-by mode): Ø 3 mA

sound frequency: sweep 16 to 50 kHz

sound output: 112 - 115 dB - depending on battery quality

max. ambient temperature: -40 to +80° C (-40 to 176° F)

Flash light fires three times per minute to light up the engine compartment as an additional repelling factor against martens. Micro controller regulated protection against deep discharge. The controller monitors the battery level and consecutively activates power saving/stand-by modes requiring only 6mA or 3mA. Upon deactivation of the engine, a short whistle signals that the device begins operation. This device is small, compact, splash-proof and easy to install.

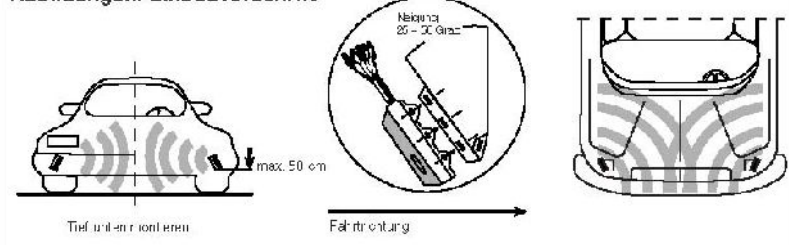
2. Mode of operation

Our devices emit ultrasonic waves with a frequency range of 16 to 50 kHz (sweep), which are inaudible for human ears but very unpleasant for martens. Observations have revealed that martens avoid rooms or places that are exposed to a sound pressure of more than 100 dB in their ultrasonic hearing range. **NEW:** Our brand new micro controller based flash light provides an additional repelling factor against martens. If the battery level drops, the device switches to power saving mode first and finally to stand by mode to protect the battery's remaining capacity against deep discharge so that the engine can still be started.

3. Installation of the base device S 2000/30

Mount the device at a maximum distance of 50cm from the ground using the included mounting kit. The sound pressure should already affect the marten on the ground. The sound cone has to point downwards and must be adjusted contrary to the direction of driving. The sound cone is comparable to the light emitted by a flashlight. If you install the sound transducer add-on, the sound sources must not cross each other. The cable outlet has to face upwards.

Abbildungen: Einbauvorschrift



4. Electrical connection for all types of vehicles

Connect the red cable to the positive pole (+) of your battery. Connect the black cable to the negative pole (-) likewise. The brown, white and purple cables are used to connect the sound transducer add-on S2100/10.

5. Device status

The device's ready status is indicated by a short whistle that sounds when you switch off your car. This signal indicates that your devices has started its operation.

6. Installation of the sound transducer S 2100/10! Please refer to this model's separate manual.

7. Warranty

Our company "Franz Rinke, Herstellung und Vertrieb" provides an extended warranty of 24 months for our Marderschock system to the final customer, starting from the date of purchase.

For registering a complaint, the final customer has to provide a copy of the installation receipt which clearly states the serial number of the installed device. Belated insertion of the s/n is not possible.

As part of this warranty we will reimburse the costs, up to 50 EUR, for un- and re-mounting of a broken (but new) device. Additional costs will not be covered by this warranty. Opening, disassembling or inappropriate handling of the device will void this warranty. Technical data is subject to change without prior notice.

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**Do not use high pressure cleaning in the
proximity of our devices!**