

# Owner's manual

## MED 3200 Van Hool

Modulair security system  
for van Hool vehicles with  
original remote control



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## Preface

Thank you for purchasing this MED product. This security system is the result of combining state-of-the-art modern technologies with years of experience on the field of mobile security. It offers you the very highest level of security for your vehicle. This product answers to the European standards CEE 95/54 and CEE 95/56 and the Dutch SCM/TNO AA03 standard. Please take time to read it thoroughly prior to using this security system, which has been designed to provide years of trouble-free operation.

As the MED system can be configured at various ways, some of the features described below may not apply to your situation. Please ask your installer to inform you in detail!

## You will receive...

When the installed security system is delivered, you will receive the following issues from your authorized installer:

- A code card which has an emergency code mentioned on it. **Important: keep it at a safe place!!!**
- This owner's manual.
- If the system needs an official approval: a copy of the official installer's certificate.

If one of the issues mentioned above is missing... **ask your installer for it!!!**

# System description

- Microprocessor-driven ultrasonic security system, armed and disarmed by means of a remote control.
- Status LED-button for alarm status, alarm diagnosis memory function and programming.
- Programming of system properties.
- Surveillance of the doors and hatches by means of pin switches.
- Interior surveillance, self-adjusting, to be disengaged separately, provided with anti-blinding and anti-masking detection.
- Immobilizer (interruption of the starting engine) operated by the central unit of the security system (relay 20A).
- Emergency disarming procedure by means of a LED button.
- System security by means of automatic fuses.
- Activation of the vehicle's indicators during arming, disarming and alarming of the system.
- Control of a tracking & tracing system or an additional siren.

## Arming the security system

- 1) Pull out the keys from the ignition and leave the vehicle.
- 2) Check if all doors and hatches have been closed.
- 3) Close the vehicle with the remote control.
- 4) The vehicle's indicator lights flash two times, the siren produces four times a two-tone signal, the central door locking system closes all doors.
- 5) The LED will light up permanently.
- 6) The LED starts flashing after 20 seconds.



### ***Abnormal arming conditions***

#### **Ignition on**

If the vehicle's ignition is switched on, the security system will not arm.

The functions below can be configured in the system and they can be armed or disarmed, depending on the vehicle's characteristics.

### **Pin switch control function**

The pin switch control function prevents the security system from arming if the vehicle zones, under surveillance of the pin switches, haven't been closed (door, hatch still open). The security system will indicate this by generating three short beep tones.

### **Arming delay**

If the security system is armed, the user may take about 5 or 30 seconds - depending on the configuration options set – to close all vehicle zones which are under surveillance of the pin switches (doors or hatches). The security system will arm immediately and after 5 or 30 seconds the siren will sound and the vehicle's indicators will flash if a vehicle door or hatch has been left open.

### **Radar detection instead of ultrasonic detection**

radar

If the security system uses a radar module instead of an ultrasonic system to monitor the vehicle's interior, arming of the system goes along with three flashes of the vehicle's indicators and three two-tone signals of the siren.

## **Disarming the security system**

- 1) Press the button of the remote control once.
- 2) The indicators will light up during several seconds and the siren generates a two-tone signal; the central door locking system will open the doors.

### ***Abnormal disarming conditions***

#### **Malfunction code**

If you hear the two-tone signal after having disarmed the system, but the siren generates another tone or various tones, this is an indication of an alarm being triggered during your absence. The number of tones corresponds with the number of flashing signals of the LED (see the LED diagnostics scheme).

As long as the vehicle's ignition is not switched on, the last malfunction code will be displayed every time the system is disarmed.

#### **Five tones during disarming**

When you disarm the system and five tones sound from the siren, the system has performed a self-test and found a failure. Take your vehicle to an authorized MED dealer and make him check the system.

## Emergency procedure

You have received a CODE CARD with an emergency code mentioned on it. With this emergency code you can disarm the system, whenever your remote control may not function or has been lost. Please keep this card at a safe place, not in the vehicle, but for example with your official car papers.

Remark: if there's a period longer than 10 seconds between the different steps of the emergency procedure, or if you made a mistake, wait for 30 seconds and try again to enter the code.

Please practise this emergency procedure once, this will prevent annoyances when you'll have to execute this procedure in reality.

The emergency procedure has to be carried out as follows:

- 1) Your emergency code is **for example** 2473 (your own code is mentioned at the code card).
- 2) Open the vehicle with the key (the alarm may sound now).
- 3) Put the key in the ignition.
- 4) Turn the ignition on and off again. The LED will light up permanently.
- 5) Now press **2** times the LED button; wait till the LED extinguishes and lights up again.
- 6) Now press **4** times the LED button; wait till the LED extinguishes and lights up again.
- 7) Now press **7** times the LED button; wait till the LED extinguishes and lights up again.
- 8) Now press **3** times the LED button; wait till the LED extinguishes and lights up again.
- 9) The vehicle's indicators light up during several seconds and the siren generates a two-tone signal.
- 10) Now you have five minutes time to switch on the vehicle's ignition, start and drive. If this doesn't happen, the immobilizer will activate itself automatically.
- 11) If you switch off the ignition, the immobilizer will activate itself again automatically after five minutes. You'll have to enter the emergency code again before you can start your vehicle.



## Abnormal arming and disarming conditions

### Acoustical indication during arming and disarming

on  off

The acoustical indication (a siren chirp) during arming and disarming of the security system can be switched on or off.

The default setting of this option is on.

Malfunction codes as well as alarm triggers are always generated.

# LED diagnostics

The status LED light at the dashboard is a multifunctional diagnostics indicator; it supplies the following information:

- 1) Easy flashing after system arming: the system is properly armed.
- 2) Permanently lit up after system arming: this is the activation delay period of 20 seconds directly after system arming.
- 3) Permanently lit up with ignition switched on: the immobilizer of the security system is engaged, the system itself is disarmed.
- 4) Elaborate indication during emergency procedure (for description see 'emergency procedure').
- 5) Several flashes after disarming (flashing code): the alarm has been triggered during the absence of the driver.

LED diagnostics scheme	
Number of flashes	Security system input
1	Pin switch
2	Ignition
3	Ultrasonic detection
4	Pin switch
5	Ultrasonic anti-sabotage function
6	Self-test
7	Pin switch
8	Current consumption
9	System arming with open door

This flashing code will be erased from the LED memory the moment you turn on the ignition.

## Alarm triggering

The security system can be triggered (after the activation delay) by:

- Opening a door or a hatch.
- Switching on the vehicle's ignition.
- A movement in the vehicle.
- Lifting or towing away of the vehicle (only if the vehicle is equipped with a tilt sensor).
- Disconnection of the battery.

When the security system is triggered, the following occurs:

- 1) The vehicle's indicators flash during 30 seconds.
- 2) The siren sounds during 30 seconds.

In this situation the owner can disarm the security system at the usual way with the remote control. The siren is equipped with a sabotage-protection. If one of the power supply wires of the system or the siren is interrupted, the siren will sound. The vehicle's indicators will not flash in this case and the security system can't be disarmed with the remote control.

# During maintenance of the vehicle

When the battery has to be disconnected during repair or maintenance activities, it is indispensable to temporarily deactivate the sabotage-protection of the siren:

- 1) Disarm the system.
- 2) Disconnect the connector of the siren; now the siren is deactivated.

Simply replace the connector of the siren after completion of the repair or maintenance activities; now the siren is activated again.

## Immobilizer

The security system is provided with an immobilizer. This immobilizer engages itself when the system is armed

## Maintenance

The security system is totally maintenance-free.

If you clean the engine compartment with high-pressure water, you'll have to shield the siren. We advise a monthly check of the proper functioning of the system.

## Remote control

For information on the remote control, refer to the manual of the vehicle.



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