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cliMATE Immobiliser adds additional theft protection by disabling the Mercedes ignition key last position, normally used to start the vehicle. It is compatible with KeylessGo vehicles. With cliMATE immobiliser, it is not enough to steal the original Mercedes key, the car cannot be driven without first entering the immobiliser password using the Mercedes steering wheel buttons and/or window switches. Regardless of whether the immobiliser is enabled or not, the vehicle can always be started remotely.

Immobiliser is disabled in the factory by default. It can be enabled by the user in the Configuration Menu by selecting "Immobiliser = YES". The Configuration Menu is shown on Mercedes display only just after powering cliMATE up or by cycling the power switch OFF then ON. Note that it is not possible to show the Configuration Menu with immobiliser enabled, because the potential thief could deactivate the immobiliser and drive the vehicle. Therefore, to get to the Configuration Menu the immobiliser password must be entered first.

With the immobiliser enabled, after the ignition key is inserted into the ignition, the driver must enter his/her password before starting. If the vehicle was previously started remotely, and the driver inserts the ignition key while the engine is already running, the password must still be entered or the vehicle cannot be driven. The same rules apply to vehicles with KeylessGo - pushing the Mercedes Start button will not start the vehicle.

In the case an incorrect password is entered, the vehicle indicator lights will blink once. There are two more chances to get it right. If three incorrect passwords are entered in a row, the ignition key must be removed from the ignition. After re-inserting the key the process can be repeated.

Two kinds of password can deactivate the immobiliser: PIN code and PUK code. PIN code is the password for daily use, and can be programmed by the vehicle owner. PUK code is a unique randomly generated code in the factory in order to prevent reverse-engineering. It is meant to be used only in emergency, when the PIN code is lost.

PIN code can be programmed by the user, its length must be minimum 4 and maximum 8 button presses. There are 8 buttons on the steering wheel to choose from: on the left side of the steering wheel are **UP**, **DOWN**, **LEFT** and **RIGHT** buttons, on the right side of the steering wheel are **TEL. HANGUP**, **TEL. PICKUP**, **PLUS** and **MINUS** buttons.

The cliMATE is shipped with the factory default PIN code **MINUS**-**MINUS**-**MINUS**-**MINUS**. It is highly recommended to change this PIN code right after the cliMATE installation. An example of a PIN code is **PLUS**-**PLUS**-**MINUS**-**MINUS**-**LEFT**.

PUK code length is fixed to 4 digits. Unlike the PIN code, the PUK code cannot be reprogrammed. There is only one button used to enter the PUK code, the right-front window switch on the driver's door. This is meant as a backup feature in the case the steering wheel buttons become defective. To enter a single digit, the window switch is pulled UP repeatedly as many times as is the digit value. To enter the second digit, there must be a 2 second pause. The same is true for the third and fourth digit. For example, to enter the 3-2-5-8 PUK code, click / pull the window switch up 3 times, wait 2 seconds, then pull it 2 times, wait 2 seconds, then pull it 5 times, wait 2 seconds, and finally pull it 8 times. Because the PUK code is usually entered when the PIN code is lost, as a convenience feature, each time the PUK code is entered, the cliMATE will restore the factory set default PIN code to **MINUS**-**MINUS**-**MINUS**-**MINUS**. It is highly recommended to change this PIN code right after entering the PUK code.

Lost PUK code can be obtained by contacting the manufacturer via the cliMATE distributor, which will be asking for the cliMATE serial number, and possibly some other security information.

cliMATE serial number can be located on the cliMATE label, or it can be conveniently shown on the Mercedes display in the configuration menu revision information column. The serial number is a 10 digit code with alternating letters and numbers, making it easy to dictate over telephone if necessary.

Normally, the configuration menu is shown only if the correct PIN or PUK code is entered. For the case when the PIN code is lost, an alternative way to show the serial number is available:

> - plug in the ignition key and turn it to ACCY or RUN position

> - switch the Mercedes instrument cluster display to AUDIO screen, and turn off the radio

> - there should be "AUDIO OFF" written on the display

> - cycle the power switch OFF then ON, display will show the password screen "?-------"

> - instead of entering the PIN, lift and hold the right-front window switch on the driver's door, until serial number is shown

> - use the **UP** or **DOWN** buttons on the steering wheel to see the whole serial number

In the case the driver wishes to have a visual indication of entering the PIN or PUK code, the AUDIO screen must be selected on the Mercedes display with the radio turned off. For security reasons, each time a digit is entered, a star (*) is displayed in its place. When entering the PUK code, the actual clicks are counted and shown as the digit is being clicked in. As soon as the digit entry is finished, the number is covered up with the star (*). Note that to make it harder to a potential thief, the stars are not an indication of a correct entry.

To create a new PIN code, one must navigate to the "IMMOBILISER = YES" screen in the Configuration Menu and click **TEL. HANGUP** button.

To bring up the Configuration Menu on the Mercedes display:

> - plug in the ignition key and turn it to ACCY or RUN position

> - switch the Mercedes instrument cluster display to AUDIO screen and turn off the radio

> - there should be "AUDIO OFF" written on the display

> - cycle the power switch OFF then ON, then click the **UP** button on the steering wheel

The configuration menu first column will be shown on the display, which is the cliMATE revision information. Navigate to immobiliser menu by clicking the steering wheel **MINUS** button twice, or until the immobiliser menu comes up (**MINUS** button switches between all menu columns). The current immobilliser status will be shown, YES or NO, meaning immobiliser is enabled or disabled respectively. To program a new PIN code, the immobiliser must be enabled.

If the display shows "IMMOBILISER = NO", enable the immobiliser by clicking the **DOWN** button on the steering wheel, after which "IMMOBILISER = YES?". Notice the '?', meaning you still have few seconds to to deactivate the immobiliser. Do not press any button, after few seconds the '?' will disappear, indicating the immobiliser is activated. Click the **TEL. HANGUP** button on the steering wheel, and the PIN learning screen will be shown.

Note that PIN length is required to be a minimum of four and maximum of eight digits long. Program the new PIN by pressing any of the eight steering wheel buttons. If the button is accepted, lights will blink once. After you are done entering the new PIN code, wait a few seconds until it is written to memory, which is indicated by blinking the lights once more.