Instructions for Use
Anti-theft alarm DWA 6

BMW Motorrad

**The Ultimate
Riding Machine**

Motorcycle data/dealership details

Motorcycle data

Model

Vehicle identification number

Colour code

Date of first registration

Registration number

Dealership details

Person to contact in Service department

Ms/Mr

Phone number

Dealership address/phone number (company stamp)

BMW recommends *Castrol*

Welcome to BMW Motorrad

We congratulate you on your choice of the BMW Motorrad DWA 6 anti-theft alarm. Familiarise yourself with all the applicable procedures before you use the system for the first time. These instructions for use contain the information you need, so please study them carefully.

If you have questions concerning this BMW Motorrad anti-theft alarm, your authorised BMW Motorrad dealer will gladly provide advice and assistance.

We hope that you will enjoy using your DWA 6 system and that all your journeys will be pleasant and safe.

BMW Motorrad.

Table of Contents

You can also consult the index at the end of this Rider's Manual if you want to find a particular topic or item of information.

General instructions

General instructions

Overview

Chapter 2 of these instructions for use will provide you with an initial overview of the anti-theft alarm. Chapter 3 describes how to use the anti-theft alarm, Chapter 4 contains a list of the most important technical features.

Abbreviations and symbols

⚠ Indicates warnings that you must comply with for reasons of your safety and the safety of others, and to protect your motorcycle against damage.

▷ Specific instructions on how to operate, control, adjust or look after items of equipment on the motorcycle.

◄ Indicates the end of an item of information.

• Instruction.

» Result of an activity.

➡ Reference to a page with more detailed information.

◁ Indicates the end of a passage relating to specific accessories or items of equipment.

➘ Tightening torque.

🔲 Item of technical data.

Currency

The high safety and quality levels of BMW accessories are ensured by a process of continuing evolution. Because of this, the accessory you have purchased may differ from the information supplied in the instructions for use.

Nor can BMW Motorrad entirely rule out errors and omissions. We hope you will appreciate that no claims can be entertained on the basis of the data, illustrations or descriptions in this manual.

Technical data

All dimensions, weights and power ratings stated in the instructions for use are quoted to the standards and comply with the tolerance requirements of the Deutsches Institut für Normung e.V. (DIN). Versions for individual countries may differ.

Overview

Overview

Overview

General information about the anti-theft alarm

Any attempt to move the motorcycle, change its position, start it without an authorised key or disconnect the starter battery will trigger the alarm. The sensitivity of the system is parameterised so that slight vibrations will not trigger the alarm. Once the system has been activated, any attempt to tamper with the motorcycle is indicated acoustically by the siren and visually by all four turn indicators flashing in unison. You can change some of your alarm system's parameters to suit your personal preferences.

Conserving battery power

In order to conserve the power of the starter battery and ensure that the motorcycle will start, the anti-theft alarm switches off automatically a few days after being activated. In most cases, however, it will remain active for at least seven days.

Radio interference

Radio systems or devices transmitting on the same frequency as the remote control of the anti-theft alarm can interfere with operation of the system. If problems of this nature occur, point the remote control toward the motorcycle from another direction.

Controls
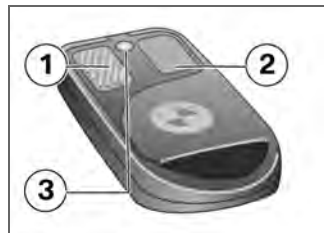
1 Left button (ribbed) (➡ 8)
2 Right button (➡ 9)
3 LED

▷ See your Rider's Manual for details of the position of the status-indicator LED on the motorcycle.◀

Operation

Operation

Activation

Activating with motion sensor

- To activate the alarm function, press button **1** on the remote control once **or** switch off the ignition (if programmed).
- » If the alarm function is activated by the ignition being switched off, a 30-second delay precedes the activation phase.
- » Activation phase starts.
- » Turn indicators flash twice.

- » Alarm tone sounds twice (if programmed).
- » The telltale light on the motorcycle starts flashing (0.1 second ON, 0.9 second OFF).

Activation phase

The anti-theft alarm needs 15 seconds to go active. No alarm will be triggered during this time.

Conserving battery power

If you decide to activate the alarm function more than one minute after switching off the ignition, you must press button **1**

for longer than one second. If it is left deactivated for longer than approximately one hour, the anti-theft alarm shuts itself down in order to conserve battery power. If you want to activate the alarm function after this period of time you must switch the ignition on and then off again.

Motion sensor when motorcycle is to be transported

If you want to transport your motorcycle by train or on a trailer, for example, it is advisable to switch off the motion sensor. If the motion sensor is not switched off the severe movements occurring in transit could trigger the alarm.

Deactivating motion sensor

- Press button **1** on the remote control a second time during the activation phase.
- » Turn indicators flash three times.
- » Alarm tone sounds three times.
- » Motion sensor is deactivated.

Alarm function
Alarm triggers

An alarm can be triggered by
— the motion sensor
— an attempt to switch on the ignition with an unauthorised key
— an attempt to disconnect the anti-theft alarm from the starter battery (the built-in battery in the anti-theft alarm automatically cuts in to provide power)

Alarm

An alarm lasts for 26 seconds. The system is active again another 12 seconds later. You can interrupt an alarm at any time by pressing button **2** on the remote control. This function does not change the status of the anti-theft alarm.
While an alarm is in progress an alarm tone sounds and the turn indicators flash. You can program the type of alarm tone.

Operation

Reason for an alarm

Once you have deactivated the alarm function, the anti-theft alarm telltale light flashes in code for one minute if the alarm was triggered while active: the code indicates the reason for the alarm:

— 1x flashing: Motion sensor; motorcycle was rocked forward/back

— 2x flashing: Motion sensor; motorcycle was tilted to the side

— 3x flashing: Attempt to switch on the ignition with unauthorised key

— 4x flashing: Attempt to disconnect the anti-theft alarm from the starter battery

Acoustic indication that alarm was triggered

A signal tone sounding once after you switch on the ignition is an indication that an alarm was triggered since the alarm function was last activated.

Deactivation
Deactivating alarm function

• Press button **2** on the remote control once **or** switch on the ignition using an authorised key.

▷ Note that you can deactivate the alarm function with the ignition key only when the kill switch is in the RUN position.◄

▷ If you use the remote control to deactivate the alarm function and do not follow up by switching on the ignition, the alarm function is automatically reactivated after 30 seconds if the "activation after ignition off" parameter is set.◄

» Turn indicators flash once.
» Alarm tone sounds once (if programmed).
» Alarm function is deactivated.

Conserving battery power

After the alarm function has been active for approximately one hour, the receiver for the remote control in the anti-theft alarm shuts down to conserve battery power. After this period has elapsed the ignition has to be switched on in

order for the alarm function to be deactivated.

Programming

Programming options

You can customise the following parameters of your anti-theft alarm:

—Confirmation alarm tone after activation/deactivation of the anti-theft alarm in addition to visual confirmation by turn indicators flashing
—Rising and falling or intermittent alarm tone
—Automatic activation of the alarm function after the ignition is switched off

Default settings

The anti-theft alarm ships with the following default settings:

—Alarm tone sounds as confirmation after activation/deactivation of the alarm function: No
—Alarm tone: Intermittent
—Automatic activation of the alarm function after the ignition is switched off: No

Programming anti-theft alarm

• Deactivate the alarm function.
• Switch on the ignition.
• Press button **1** three times.
» Acknowledgement tone sounds once.

• Within ten seconds, switch off the ignition.
• Press button **2** three times.
» Acknowledgement tone sounds once.
• Within ten seconds, switch on the ignition.
» Acknowledgement tone sounds three times.
» The programming function is active.

Programming is a sequence of four steps, although no function is assigned to step No. 2. The number of times the anti-theft alarm telltale light on the motorcycle flashes indicates which step in the programming sequence is active. An alarm tone sounds as confirmation when you press button **1**; an acknowledgement tone sounds when you press button **2**.

Operation

- **Step 1**: Do you want a confirmation tone to sound after activation/deactivation of the anti-theft alarm?

Yes:
- Press button **1**.

No:
- Press button **2**.

- **Step 2**:
There is no function assigned to this step.
- Press button **1** or button **2**.

- **Step 3**: Which alarm tone do you want to use?
Rising and falling:
- Press button **1**.

Intermittent:
- Press button **2**.

- **Step 4**: Do you want to have the alarm function activated automatically after the ignition is switched off?

Yes:
- Press button **1**.

No:
- Press button **2**.

Under what circumstances is programming aborted?

Programming is aborted
— if the ignition is switched off before completion of the last step in the programming sequence
— **or** automatically, if more than 30 seconds elapse between any two steps in the programming sequence.

The new settings are not saved if programming is aborted.

Saving programmed settings

Programming is saved
— when the ignition is switched off after completion of the last step in the programming sequence
— **or** automatically 30 seconds after completion of the last step in the programming sequence

The anti-theft alarm telltale light stops flashing and four acknowledgement tones sound.

Registration of the remote control
When is it necessary to register a remote control?

If you want to register an additional remote control or register a remote control as a replacement for one that has been mislaid, you must always register all

the remote control units with the anti-theft alarm. You can register a maximum of four remote control units.

Registering remote control

- Deactivate the alarm function.
- Switch on the ignition.
- Press button **2** three times.
» Acknowledgement tone sounds once.
- Within ten seconds, switch off the ignition.
- Press button **2** three times.

» Acknowledgement tone sounds once.
- Within ten seconds, switch on the ignition.
» Acknowledgement tone sounds twice.

You can now register a maximum of four remote control units with the anti-theft alarm. Registration is a three-step process for each remote control.

- Press and hold down button **1** and button **2**.
» LED flashes for ten seconds.
- As soon as the LED goes out, release button **1** and button **2**.
» LED lights up.
- Press button **1** or button **2**.
» Alarm tone sounds once.
» LED goes out.
» Remote control has been registered.
- Repeat this three-step procedure for each additional remote control.

Termination of registration

Registration is terminated when
— four remote control units have been registered
— the ignition is switched off
— 30 seconds elapse without a button being pressed after the ignition has been switched off
— 30 seconds elapse without a button being pressed after a remote control unit has been registered

When registration terminates the LED flashes and the acknowledgement tone sounds three times.

Operation

Synchronisation

When is it necessary to synchronise the remote control?

The remote control has to be synchronised if the buttons of the remote control have been pressed more than 256 times outside the receiver's range. Once this limit has been reached, the receiver on the motorcycle will no longer react to the signals from the remote control.

Synchronising remote control

- Press and hold down button **1** and button **2**.
- » LED flashes for ten seconds.
- As soon as the LED goes out, release button **1** and button **2**.
- » LED lights up.
- Press button **1** or button **2**.
- » LED goes out.
- − Remote control has been synchronised.

Battery

When does the battery have to be changed?

The battery in the remote control is due to be changed after approximately 2 - 3 years. You can tell that the battery is weak if the LED does not light up or lights up only briefly when a button is pressed.

Changing battery

- Remove screw **4** and remove bottom part of housing **5**.
- Slide old battery **8** forward from under retainer **6**.

⚠️ Using a battery of the wrong type or inserting the battery with the polarity reversed can cause irreparable damage to the device.
Use only the specified type of battery (see "Technical Data"). When inserting the battery, always make sure polarity is correct.◄

- Slip the new battery into position, making sure that the positive terminal of the battery is facing up.
- Position the bottom part of the housing at projection **9** of the front edge and close the housing, noting two guide pins **7**.
- Install screw **4**.
» The LED on the remote control lights up, indicating that the remote control has to be synchronised.

- To synchronise the remote control, make sure that it is within range of the receiver and press button **1** twice.
» LED **3** starts flashing and then goes out after a few seconds.
» The remote control is again ready for use.

Operation

Technical data

Technical data

Anti-theft alarm

Time to active after activation	15 s
Alarm duration	26 s
Activation time between two alarms	12 s
Temperature range	-40...85 °C
Operating voltage	9...16 V

Remote control

Range of the remote control	10 m
Reception standby for signal from remote control	1 h, After ignition off
Signal frequency	25 kHz, Broadband
Transmission frequency	433.92 MHz
Operating voltage	3 V
Battery type	CR 2032
Battery type	Lithium

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