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META SYSTEM DEFCOM 3.2B MotorCycle Alarm User Manual

MotorCyle Alarm by
DEFCOM 3.28
USER MANUAL

Contents

DEFCOM 3.2B MotorCycle Alarm

Part Number 61912035000

SECURITY

Dear Customer,
the DEFCOM 3.2B alarm allows it to be installed on your vehicle quickly and in compliance with current regulations. The DEFCOM 3.2B device has possibility to be paired with a CARD B9.5 as ad ditionally accessory but it is mainly used with a smartphone APP whose functions are described in the manual available online and downloadable from the App menu.
For a correct management of the product through the App we suggest to apply here the white self-adhesive label that seals the alarm control unit package.
Keep these indications in a safe place, they will be useful for product updates and optional acces sories.

'OVERRIDE' EMERGENCY CODE

DEFCOM 3.2B   Code: A6024720
SN: 0063845180008
MAC: 1804EDC7251C
Pin Code: 23339
PUK Code: 250161
5030654600

We suggest to write in this space the customized Password used to pair the smartphone in order to use it if you have to pair another smartphone to the same product.

Password:——————————

⚠The usage of the mobile APP for arming/disarming the product temporarily excludes the functioning of the CARD B9.5 if it has been bought separately and has been memorized in a second time.

SAFETY WARNINGS

⚠📖 The graphic symbols placed on the equipment indicate that the specific information in this manual must be observed. The symbols are used to safe guard the health of users against the danger that the materials inside the product may cause.

WARNING! DANGER OF EXPLOSION IF BATTERY IS REPLACED WITH A DIFFERENT OR UNSUITABLE TYPE.

USED BATTERIES MUST BE DISPOSED OF IN ACCORDANCE WITH THE DESIGNATED DISPOSAL INSTRUCTIONS.

Do not swallow the battery: danger of chemical burns. This product contains a coin/button cell battery.

Swallowing coin/button cell batteries can cause severe internal burns and lead to death within 2 hours.

Keep new and used batteries out of the reach of children. Stop the use of the product and keep it out of the reach of children if the battery compartment does not close completely.

Seek immediate medical attention if battery ingestion is suspected.

FIRST ACTIVATION AFTER VEHICLE CONNECTION

1. To activate the device, after battery connection, turn ON and OFF the vehicle instru ment panel.

2. The alarm unit emits 2 BEEP + 2 BOOP and LED start flashing quickly, within 1 minute activate the instrument panel, the alarm unit emits 2 BEEP + 2 BOOP again and activa tion will be completed; if the instrument panel activation don't occur within 1 minute the activation will be automatically and the alarm unit emits 2 BEEP + 2 BOOP to advise about it.

   NOTE: Whenever the vehicle battery will be connect (for example after disconnecting it for winter period or maintenance) to activate the device, repeat steps 1 and 2 above.

CARD B9.5 ACTIVATION (OPTIONAL)

The CARD B9.5 is not supplied in the package but is an option. To activate it please follow the specific procedure for add a card as in chapter 17. After a new Card B9.5 has been paired, to activate it, press its button for five times.

AUTOMATIC ARMING

After turned OFF the vehicle instrument panel the alarm unit will be ready to arming, the com plete arming will happen 20 second after moved the Smartphone APP or the CARD B9.5 (optional) out of the detection range, ar ming is signaled by a 2 BEEP sounds, 2 flashes of direction indicators and a quick flashing of the LED to indicate start of immunity time during that is possible check all the protection without triggering an alarm sounding (see chapter "6. IMMUNITY TIME"). After immunity time all the alarm protections will be ready to produce an alarm trigger and the LED will flash slowly.

ARMING BY THE CARD B9.5 BUTTON (OPTIONAL)

Press briefly the CARD B9.5 button close to the vehicle. Releasing button the alarm unit will arming and it will be signaled by 2 BEEP sounds, 2 flashes of direction indicators and a quick flashing of the LED to indicate start of immunity time during that is possible check all the pro tection without triggering an alarm sounding (see chapter "6. IMMUNITY TIME"). After immu nity time all the alarm protections will be ready to produce an alarm trigger and the LED will flash slowly.

ARMING WITHOUT ACTIVATING THE INTERNAL MOVEMENT SENSOR

The disarming of the sensor can be obtained by using the specific function in the APP menu or by press hold the CARD B9.5 button (if paired) for 6 seconds close to the vehicle. Once ac tivated by app or by releasing button on the CARD B9.5 the alarm unit will arming and it will be signaled by 2 BEEP+1BEEP sounds, 2+1 flashes of direction indi cators and a quick flashing of the LED to indicate start of immunity time during that is possi ble check all the protection without triggering an alarm sounding (see chapter "6. IMMUNITY TIME"). After immunity time all the alarm protections will be ready to produce an alarm trigger and the LED will flash slowly.

IMMUNITY TIME

During the first 26 seconds after the alarm arming, the LED flashing quickly to indicate that it is possible to test the protection functions of the system.
Every alarm triggers doesn't produce an alarm sounding but just a BEEP sounds by the siren and the reset of initial immunity time that restarts again.
When immunity time is over, the LED flashes normally and every alarm triggers will produce an alarm sounding.

ACTIVE PHASE

This is when the alarm system is armed and after the initial immunity phase is over.
Any alarm triggers will produce an alarm cycle that lasts 26 seconds: the direction indicators flash, the siren emits a distinctive modulated sound, and it will be impossible to start the en gine.

PROTECTION BY THE ALARM SYSTEM

The alarm central unit protects the motorcycle against being started and an alarm cycle will be triggered every time:

- The ignition key is turned ON
- An attempt is made to remove or move any part of the motorcycle which is protected by specific switches (for
   example if the seat or the storage compartment is opened…)
- The motorcycle is moved
- The alarm system's supply cables are disconnected or cut or if the motorcycle's battery is disconnected.

DISARMING

Coming back to the vehicle with Smartphone APP or with CARD B9.5 (optional) the alarm unit recognize the Id

Tag and turns off the LED to indicate that is ready to be disarmed turning ON the vehicle instrument panel. Turning ON the vehicle instrument panel the disarming is signaled by a 1 BEEP sound and 1 flash of the direction indicators.

If the siren also emits a BOOP sound, this means that the alarm system was triggered.

To find out how the alarm was triggered, consult the "10. ALARM MEMORY" table.

If visual and acoustic signals are given during arming or disarming that are different to those described above, consult the chapter "11. NOTIFICATION" to find out what they mean.

ALARM MEMORY

If various alarms have been triggered during your absence the ALARM MEMORY will signal them on the LED emitting a sequences of flashing with 3 seconds pauses between the sequen ces and will repeat the series of sequences every 6 seconds.

The ALARM MEMORY is reset when the alarm system is armed with Smartphone APP or the CARD B9.5 (optional) again or when the vehicle instrument panel is ON but the alarms memo ry stay available for 1 minute also after instrument panel activation.

ALARM MEMORY	LED SIGNALS
Internal movement sensor	1 Flash
Contacts	2 Flashes
Ignition key sensing	3 Flashes
Tampering with cables or battery	4 Flashes

NOTIFICATIONS

The DEFCOM 3.2B alarm provides different signals (led, siren and flashing of the vehicle in dicators) according to the different commands received and different conditions which it is, following are reported the main signals.

CENTRAL UNIT STATUS	LED	DIRECTION INDICATORS	SIREN
Arming by CARD 69.5	Slow flashing	2 Flashes	2 BEEP
Arming without movement sensor by CARD B9.5	Slow flashing	Flashes 2 + 1	2 BEEP + 1 BEEP
Arming with active contact	Slow flashing	2 Flashes	2 BEEP + 1 BOOP
Initial immunity phase	Fast flashing	–	
Pre-alarm phase with ignition key ON or movement sensor activation	Switches off	–	5 BEEP
Alarm cycle (25 sec)	Switches off	Flashing	Sounds
Disarming by CARD B9.5 or Override Code	Switches off	1 Flash	1 BEEP
Disarming when alarms have been memorised	Switches off briefly every 6 sec.	–	1 BEEP + 1 BOOP
Disarming when the motorcycle's battery is flat	Switches off	–	4 BEEP
CARD B9.5 low battery warning after disarming	10 flashes after ignition key ON	–	
SERVICE MODE activated	Flashing fast very with ignition key ON	–	

BUZZER ARMING/DISARMING DISABLE

To deactivate the Arming/Disarming Buzzer, it is necessary to contact an installation center equipped with the PRG007 Programmer or use the smartphone App.

SERVICE MODE

If needs excluding the alarm system for a time period, it's possible enable the SERVICE MODE modality using Smarphone APP or the CARD B9.5 (optional).
To enable the SERVICE MODE the function can be selected by the Smartphone APP Menu or by turn ON the motorcycle's key and immediately after press hold the CARD B9.5 button (optional) at least 6 seconds, the feature enabling is indicated by the LED flashing very fast when the motorcycle's key is ON.
To disable the SERVICE MODE the function can be selected by the Smartphone APP Menu or by turn ON the motorcycle's key and immediately after press hold the CARD B9.5 button (optional) at least 6 seconds, the feature disabling is indicated by the LED goes OFF.

SYSTEM TO PREVENT VEHICLE BATTERY DISCHARGE

This product has one timed operation to protect the vehicle battery (STOP MODE) and an additional system to fast shut off if the battery voltage level goes down than 10,5V.

STOP MODE

The alarm system automatically switches off in order to limit the consumption of current in the motorcycle's battery, automatically excluding the alarm functions but maintaining the immo bilization of the engine: in this condition current consumption is nil.

STOP MODE is activated 5 days after the system was armed last time if no alarms were triggered in this time or if the motorcycle's battery is almost flat (battery voltage level under 10,5V).

To exit from STOP MODE, please select the specific function on mobile APP or turn the igni tion key ON: the siren will emit a series of BEEP sounds; Press the CARD B9.5 button (optional) within 20 seconds to disarm the alarm system. If the CARD B9.5 is not paried or its button is not pressed within 20 seconds, an alarm cycle for ignition key sen sing will be triggered.

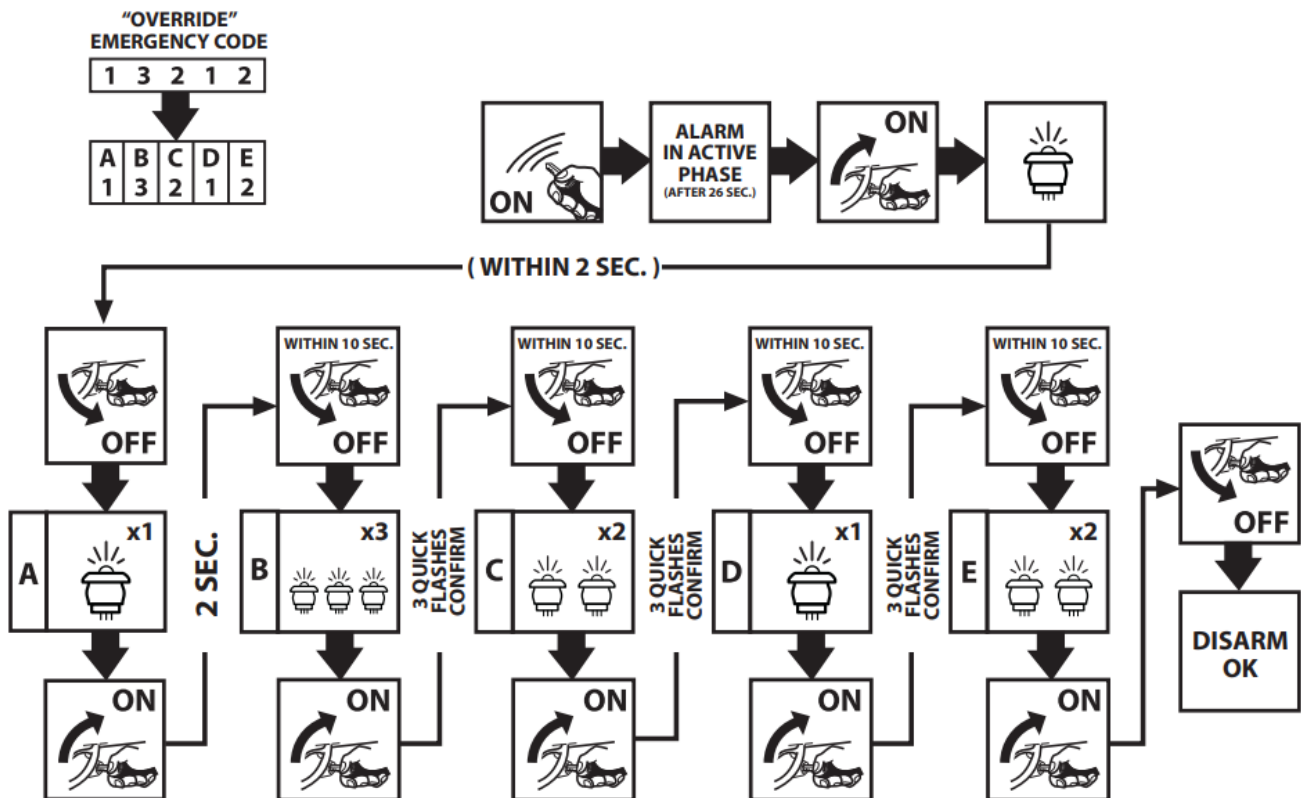## 'OVERRIDE' EMERGENCY CODE (PIN CODE)

If the Smartphone or the CARD B9.5 (optional) is lost, stolen or damaged, it is possible to disarm the alarm system with a 5 digit emergency code called the 'OVERRIDE' CODE and this code is found on the label applied on the alarm central unit body and is isn't changeable.

Remove the label from the alarm unit body and keep it with you to be used if you needs it; keep the 'OVERRIDE' CODE in a safe place and not with the motorcycle.

The procedure is operational only after the initial immunity phase is over, and if the alarm fun ctions are operational, alarm cycles will be triggered while the override code is inserted.

Perform the following procedure.

With armed alarm system activate the instrument panel and immediately deactivate it; the LED will turn ON, turn off and then start to flash after 2 seconds.

WARNING: If 3 attempts to insert the wrong code are detected, the central unit will be blocked for 10 minutes in order to prevent attempts to search for the code.

PAIRING OR ADD NEW CARDS B9.5

The control unit is not supplied with paired with 2 B9.5 CARDs from Factory. To add other B9.5 CARDs or exclude it from the control unit memory it is necessary to contact an installation center equipped with the PRG007 Programmer or use the Smartphone App.

SPECIFICATIONS

Power supply ……………………………………………………………………12Vcc (10V15V)
Consumption …………………………………………………………………2,1 mA
Consumption in STOP MODE …………………………………………….. 0,02 mA
Operating temperature …………………………………………………... 25°C + 85°C
Sound level of siren …………………………………………………………(1 mt.) 114 dB
Selfsupply autonomy ………………………………………………..5 minutes
Sensitivity of internal movement sensor ………………………………1,5° per second
Frequency of Mycro remote control ……………………………………..433.92 MHz
Frequency of CARD B9.5 …………………………………………………..2.45 GHz
EMERGENCY 'OVERRIDE' CODE to reset immobilizer and alarm functions
Note: for USA and Canada the receiver at 433.9 MHz is powered OFF and it is inhibited.

CAPACTITY OF CONTROLS

Starter motor relay…………………………………………………………..10A
Direction indicator relay………………………………………………..5A + 5A
Horn control ………………………………………………..Negative electronic 300mA

TIMING

Initial immunity phase ……………………………………………….26 seconds
Duration of alarm cycle ………………………………………………26 seconds
Interval between alarm cycles ……………………………………….5 seconds
Passive arming delay ………………………………………………..20 seconds
STOP MODE delay …………………………………………………..5 days
Intermittence of direction indicators ……………………………….0,4 sec. Off/0,4 sec. On

ALARM CYCLES

Contact alarm inputs………………………………………………10 cycles
Tilt sensor…………………………………………………………..10 cycles
Ignition sensing……………………………………………………10 cycles
Cable tampering……………………………………………………..9 cycles

FCC STATEMENT AND IC NOTICE

FCC USA
STATEMENT OF AGENCY COMPLIANCE
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any change or modification to the product not expressly approved by Meta System could void the user's authority to operate the device.

FCC CLASS B COMPLIANCE STATEMENT
The user is cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by

turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

To comply with FCC RF exposure compliance requirements, for mobile configurations, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

IC CANADA

IC CANADA NOTICE
This device contains licenceexempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licenceexempt RSS(s).
Operation is subject to the following conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.
3. A separation distance of at least 20 cm must be maintained between the antenna of this device and all persons to comply with the safety requirements for mobile RF exposure conditions in accordance with RSS102 Issue
   FREQUENCY BAND USED: 24002483,5 MHz
   MAXIMUM OUTPUT POWER: < 20 dBm for Bluetooth

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Documents / Resources

META SYSTEM DEFCOM 3.2B MotorCycle Alarm [pdf] User Manual
DEFCOM 3.2B, DEFCOM 3.2B MotorCycle Alarm, MotorCycle Alarm, Alarm

References

- **KTM - READY TO RACE**
- **Meta System – Automotive Electronic Design**
- **Documentazione / MSYIT / Root folder - Benvenuti in Meta System**
- **User Manual**