5040342800-WEB

META SYSTEM

USER MANUAL
MOTORCYCLE TELEMATIC ALARM
T.30 - Def-Com 30

EN

SIGNALS

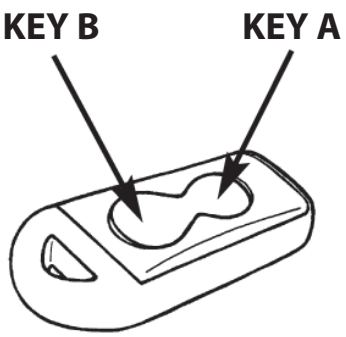
CENTRAL STATUS	LED	ARROWS	SIREN
Self-activation	Slow flash	1 short flash	1 BEEP
Activation from radio control	Flashing	2 flashes	2 BEEPS
Activation with exclusion of internal movement sensor	Flashing	2 + 1 flashes	2 + 1 BEEPS
Initial immunity	Inverted flashing		
Test during initial immunity	Inverted flashing		1 BEEP
Control unit on	Flashing		
Alarm cycle	Flashing	Flashing	Sound
Deactivation without alarms	It switches off	1 Flash	1 BEEP
Deactivation with flat motorcycle battery	It switches off		4 BEEPS
Deactivation with alarm memory	Brief off times every 6 sec.	1 BEEP - 1 BOOP	

ALARM MEMORIES	LED INDICATIONS
Internal movement sensor	1 flash
Ignition key sensor	3 flashes
Cable cut-off or battery disconnection	4 flashes

NOTE: the acoustic signals are subordinate to functional programming described in page 5 of this manual.

If different alarms occur, the memory reports them in sequence with 3 sec. pauses, repeating these sequences every 6 sec.

The memory is reset by starting the motorcycle or turning the control unit back on from the radio control.



SELF-ACTIVATION (FUNCTION REQUIRING PROGRAMMING)

The control unit switches on automatically within 50 sec:

- after turning the motorcycle key to OFF or
- after switching off from the radio control, or
- after switching off with the "override" code.

Activation is reported by a brief flash of the turn signals, by a BEEP of the siren, the LED flashes very slowly and only the engine block is on. It is also possible to select self-activation for the alarms (see chapter "SPECIAL FUNCTIONS - PROGRAMMING"), and in this case the signals will be the same as when activated from the radio control.

MANUAL ACTIVATION

Briefly press key A on the radio control within 50 sec. from when the motorcycle ignition key is turned to OFF: the turn signals will flash 2 times and the siren will sound 2 BEEPS. All of the control unit functions will be on, and the LED will be flashing.

NOTE: the visual/acoustic signals are subordinate to functional programming described in page 5 of this manual.

ACTIVATION WITH EXCLUSION OF INTERNAL MOVEMENT SENSOR

Press key A on the radio control for approximately 2 sec., ma nevertheless within 50 sec. from when the motorcycle ignition key has been turned to OFF: the turn signals will flash 2 + 1 times and the siren will sound 2 + 1 BEEPS. All of the control unit functions will switch on except for the control unit's internal movement sensor.

The LED will stay on steady for the period of initial immunity, and will then start flashing normally.

DEACTIVATION

Briefly press key A on the radio control: the turn signals will flash 1 time, the siren will sound 1 BEEP and the LED will switch off if no alarms occurred when the control unit was off. If the LED stays on and the siren also sounds a BOOP this means that alarms occurred; to find out what triggered them, refer to the ALARM MEMORIES table. During activation or deactivation, if luminous or acoustic indications happen that differ from the above, refer to the SIGNALS table to find their meanings.

NOTE: the visual/acoustic signals are subordinate to functional programming described in page 5 of this manual.

INITIAL IMMUNITY

During the first 26 sec. from activating the control unit with the radio control, the LED flashes with brief off times to report that it is possible to run the alarm protection tests. In any case, any alarm stimuli do not generate alarms, only siren BEEPS and the initial immunity time starts from zero again. When this amount of time elapses the LED will invert the flash phase (brief on times) and the control unit, if duly triggered, will go into alarm.

ACTIVE PHASE

With the control unit on, when the initial immunity time has elapsed, any stimuli generate an acoustic alarm cycle of 26 sec: the turn signals flash, the siren makes a modulated sound, the horn, if connected, will sound intermittently and it will not be possible to start the engine. The alarm will be reported with an SMS, email, push to the customer (the telematic device needs to be on and not undergoing maintenance).

ALARM PROTECTIONS

The alarm control unit will protect the motorcycle against start up, and an alarm cycle will be generated every time:

- the motorcycle ignition key is turned to ON,
- the motorcycle will be moved,
- the power supply cables for the alarm control unit are disconnected/cut off or if the motorcycle battery is disconnected.

SLEEP MODE - LIMITED CURRENT ABSORPTION

The control unit goes into SLEEP MODE to limit the consumption of the motorcycle's battery current, self-excluding the movement alarm, the led and the radio control: in this condition there is no consumption. SLEEP MODE is activated 5 days after activation with radio control or self-activation, but without detecting any alarms during this period or whether the motorcycle battery is about to drain.
During SLEEP MODE status, the alarm causes will be limited to the attempt to start up, in this phase the radio control will not work.
To exit SLEEP MODE, turn the ignition key to ON: the siren will make a series of BEEPS and within 5 sec. you will need to press the radio control to switch the system off. After 5 sec. without pressing the radio control key, you will have an alarm cycle for attempted start-up.

EMERGENCY BLINKER

Using the radio control, it is possible to activate the motorcycle's Blinker.
To turn it on press key A on the radio control 2 times, with the ignition key on ON.
To turn it off press key A on the radio control 1 time, with the ignition key on ON.
NB: With the Blinker switched on from the radio control and with the ignition key on OFF it is possible to turn on the alarm which will automatically exclude the internal movement sensor.

PANIC

It is possible to press key B on the radio control to switch on a 10 sec. alarm cycle, which can be interrupted by pressing the key again.

REMOTE CONTROL OF THE ALARM

Any alarm event lasting more than 5 seconds will generate a wireless message, alerting the telematic device, which will report through a georeferenced notification on the current event.

SPECIAL FUNCTIONS - PROGRAMMING

It is possible to program some of the alarm control unit functions, to adapt its operation to the motorcycle and to the user requirements.
To program the functions as illustrated in the table below, you need to:

1. Turn the control unit on from the radio control.
2. Turn the ignition key to ON within 10 sec.: a BEEP of the siren will confirm this choice.
3. Press key A on the radio control briefly 4 times: four BOOPS of the siren confirm reception.
4. Turn the motorcycle ignition key to OFF.
5. Turn the ignition key to ON and then OFF by the same number of times as the number of the function that you wish to program (refer to the table) leaving it on ON on the last time: LED on.
6. Press key A on the radio control briefly once if you wish to programme the function as in the first column (refer to the table - BEEP column).
7. Press key A on the radio control briefly twice if you wish to programme the function as in the second column (refer to the table - BOOP column).
8. Turn the ignition key to OFF and press the key on the radio control briefly to finish the programming operations, or repeat the steps from point 5 to select a new function:

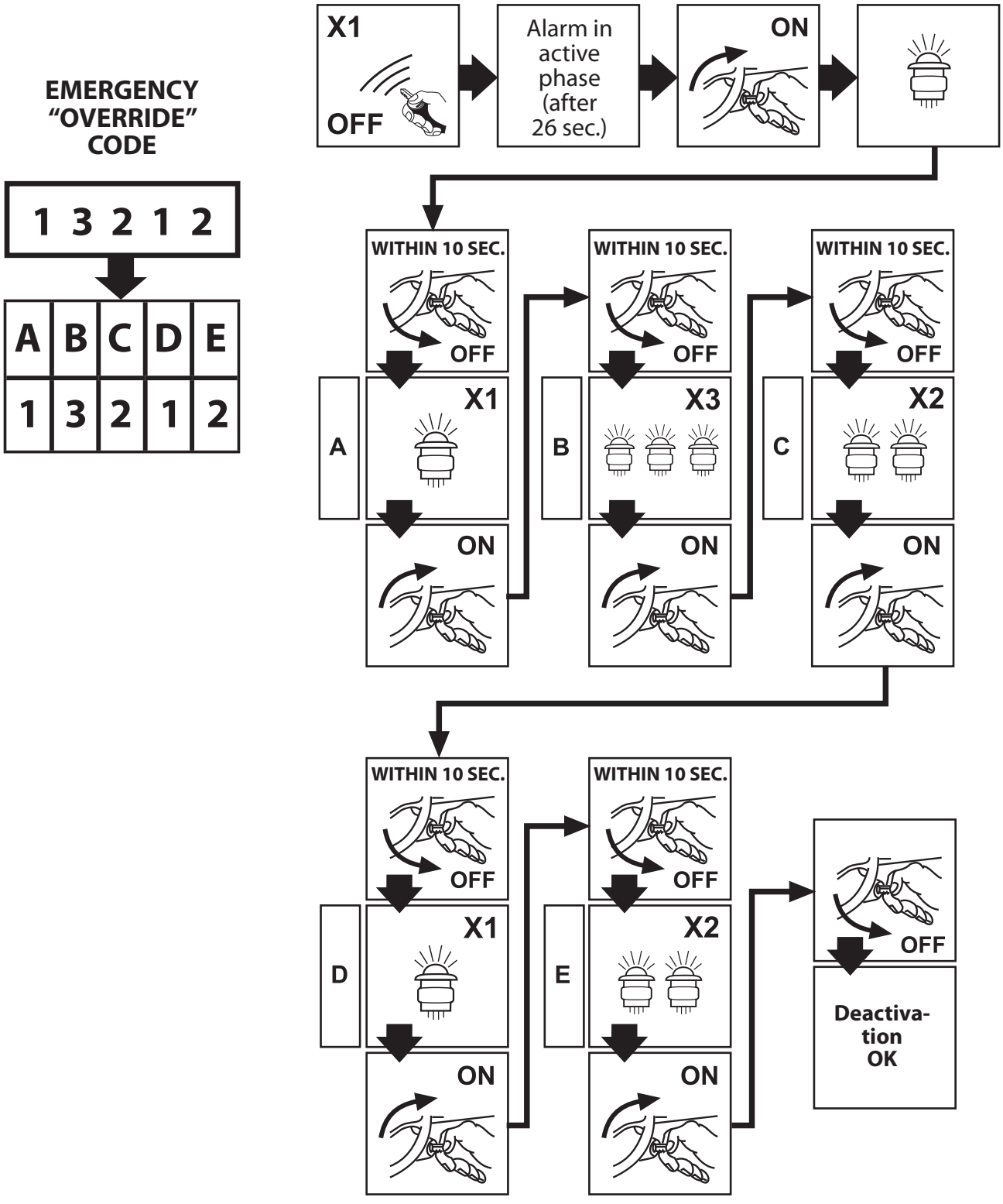
SPECIAL FUNCTIONS TABLE
PROGRAMMING (factory settings in bold)

	FUNCTION	BEEP	BOOP
1	Buzzer at activation and deactivation	YES	**NO**
2	Turn signals at activation and deactivation	**YES**	NO
6	Self-activation with movement sensor enabled	**YES**	NO
8	Self-activation enabling	YES	**NO**

“OVERRIDE” EMERGENCY CODE

If the remote control is lost/stolen, or if it is not working, it is possible to switch off the control unit with a 5-digit emergency “override” code (Company Code) which is provided on the plate supplied with the remote controls. this plate needs to be kept in a safe place and not inside the motorcycle.

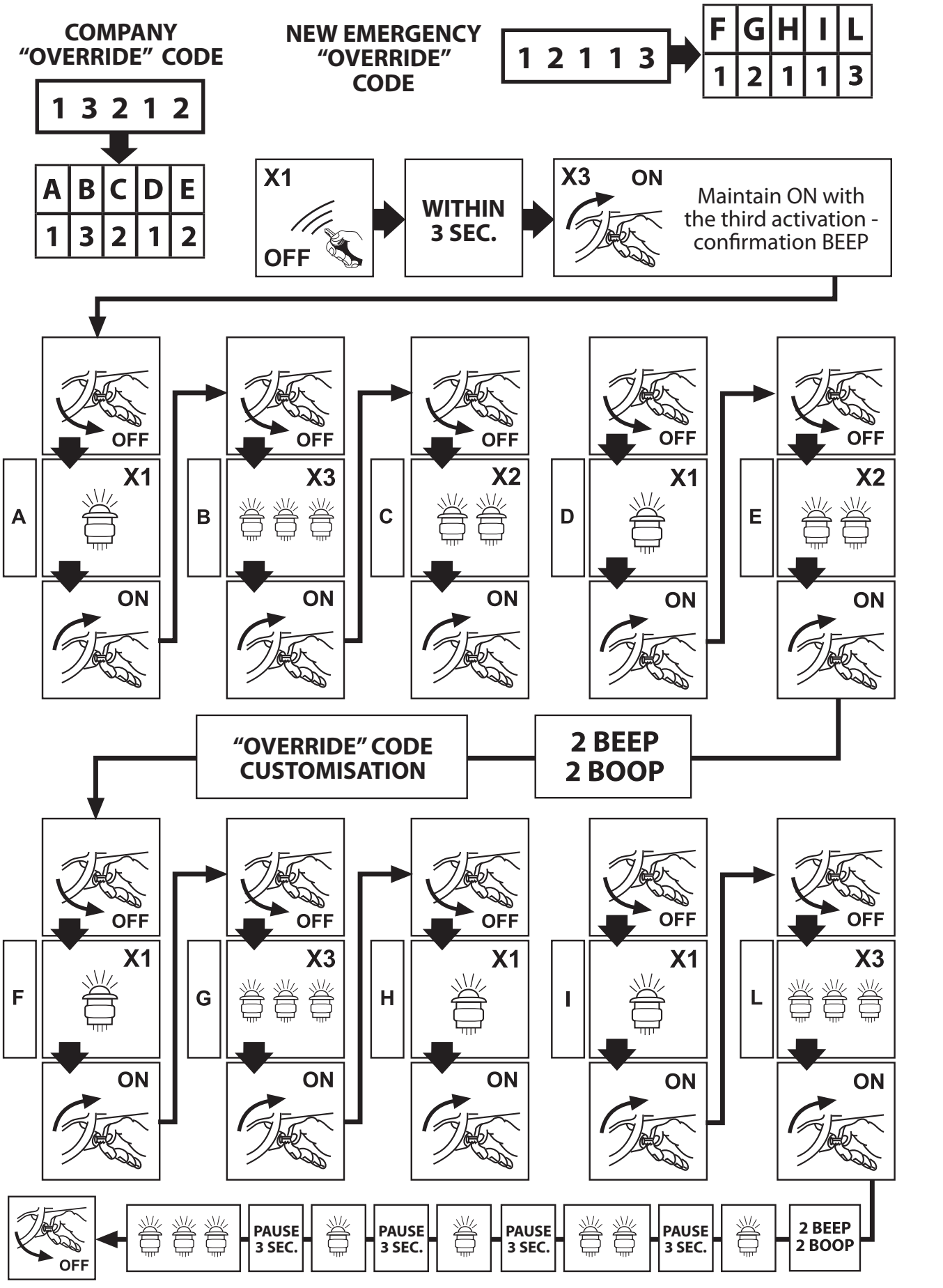
The procedure only works after the initial immunity time, and of the control unit alarms are enabled, alarm cycles will be generated as the code is being entered. Perform the procedure illustrated below.



ATTENTION: if the code is entered incorrectly 3 times the control unit will block for 30 minutes in order to prevent any attempts to guess the code.

"OVERRIDE" CODE CUSTOMISATION

It is possible to customise the "override" code to remember it more easily in an emergency situation. Perform the procedure illustrated below.



DEFAULT OVERRIDE RESET

If the user forgets or loses the override code it is possible, using two radio controls, to reset the default override code 11111. To reset it, do the following:

- Turn the product off using the radio control, turn the motorcycle key to ON and press the A key on the two radio controls alternately twice.
- The reset override code will be reported by the siren, with BEEP-BEEP-BOOP-BOOP, and by the code 11111 displayed on the led.
- With the code now known it is possible to perform all of the operations involving its use.

ADDITIONAL RADIO CONTROLS

The control unit is normally connected to 2 radio controls, referred to as Num. 1 and Num. 2.

Every time the motorcycle is switched off (when the ignition key is turned to OFF) it is possible to know how many radio controls are enabled in the control unit: the number of times that the LED flashes refers to the number of remote controls.

To add or exclude other remote controls form the control unit's memory it is necessary to possess all of the remote controls that require enabling (new ones need to be requested from our dealer using the code provided on the red code-card attached to the product) and follow the steps below:

1. Switch off the control unit.
2. Turn the ignition key to ON 3 times within 5 sec. and then hold it on ON the last time (a BEEP will confirm this choice).
3. Turn the ignition key to OFF within 5 sec. and enter the "override" code.
4. When you confirm the fifth digit, hold the ignition key on ON: a series of BEEP-BEEP-BOOP-BOOPs will report that it has been entered correctly.
5. Briefly press key A on the radio control that you wish to enable: the LED will flash as a signal of reception 6. Press key A once again on the previously used remote control: a BEEP and the LED switching off will confirm memorisation.
6. Repeat the operations of points 5 and 6 for all radio controls that need enabling: unused ones will be excluded (for example, if they have been lost.
7. Turn the ignition key to OFF: a series of BEEP-BEEP-BOOP-BOOPs will confirm that the procedure is coming to a conclusion and the LED will flash by the number of enabled radio controls.

TECHNICAL ALARM SPECIFICATIONS

Power supply 12Vcc (10V-15V)
Consumption .....1,8 mA
SLEEP-MODE consumption .....0 mA
Working temperature .....-25°C +85°C
Siren sound level (1 mt.) .....114 dB
Self-power supply backup time .....5 min.
Radio controls .....72 millions of billions of variable codes (434 MHz)
Internal movement sensor sensitivity .....1.5° per second
Emergency "override" code to reset the engine block and inhibited alarm functions.

COMMAND

Capacity direction indicators .....5A + 5A
Wireless frequency .....between 963.1 and 868.9 MHz

TIMING

Initial immunity time .....26 seconds
Alarm cycle duration .....26 seconds
Interval between alarm cycles .....5 seconds
Self-activation delay .....50 seconds
SLEEP-MODE delay .....5 days
Intermittence of arrows in alarm .....0.4 off/0.4 sec. on

ALARM CYCLES

Ignition key sensor .....10 cycles
Cable cut-off .....9 cycles

TELEMATIC CONTROL UNIT TECHNICAL SPECIFICATIONS

Power supply 12Vcc (10V-24V)
Working temperature .....-30°C +80°C
Protection rating .....IP 65

To be filled in and given to the owner of the vehicle, along with the manual

INSTALLATION CERTIFICATE

The undersigned, _____ , installation technician, certifies to have personally installed the protection device of the vehicle described below, in compliance with the manufacturer's instructions.

VEHICLE DESCRIPTION

BRAND: _____

TYPE: _____

LICENSE PLATE: _____

VIN: _____

DESCRIPTION OF THE VEHICLE PROTECTION DEVICE

BRAND: ***MetaSystem***

TYPE: ***DEFCOM Wi***

* APPROVAL NUMBER: _____

MADE IN: _____

ON: _____

FULL ADDRESS OF INSTALLATION TECHNICIAN: _____

_____

_____

SIGNATURE:	STAMP:

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