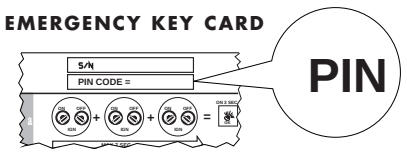
ATTENZIONE !

CONSERVATE IL PIN *(Codice di Identificazione Personale) insieme alla patente di guida* ***VI SERVIRÀ PER DISINSERIRE IL SISTEMA IN CASO DI EMERGENZA*** *e per accedere alla procedura di autoapprendimento dei telecomandi.*



ATTENTION !

KEEP THE PIN *(Personal Identification Number) together with your personal documents.* ***THE PIN IS REQUIRED IF YOU NEED TO DISARM THE SYSTEM*** *in emergency condition and to add or change radio remote controls to the system*

DELTA ELETTRONICA spa
Via Astico, 41 - 21100 VARESE - ITALY

Cod. 06DE1250C del 05/98

cobra®
CAR SECURITY

MANUALE INSTALLAZIONE E UTENTE
FITTING INSTRUCTION AND USER MANUAL

allarme compatto BRIDGE
BRIDGE compact alarm

LA PROTEZIONE TOTALE DELLA VOSTRA AUTO

Congratulazioni per aver acquistato un sistema di allarme Cobra.
Questo prodotto ha superato tutti i più severi test delle Case Automobilistiche e degli Enti assicurativi per la compatibilità elettromagnetica e la resistenza alle condizioni ambientali.
Utilizza il "Codice Dinamico" che rende impossibile disinserire il sistema registrando e riproducendo il codice trasmesso dal radiocomando.

La protezione totale della Vostra vettura, nel caso del 7918, è assicurata da:

1. *Protezione taglio cavi - la sirena suona anche se manca la tensione di batteria della vettura.*
2. *Protezione contro l'avviamento del motore - garantita dal sistema automatico di attivazione*
3. *Protezione dell'abitacolo - per mezzo di un sensore volumetrico ad ultrasuoni.*
4. *Protezione periferica - le porte, il cofano ed il baule sono collegati all'allarme tramite pulsanti*
5. *Protezione personale - la funzione panico Vi permette di attivare la sirena dal radiocomando.*

Vi raccomandiamo di conservare questo manuale insieme ai documenti della vettura.
A pagina 2 il capitolo "Istruzioni in breve" Vi consentirà di apprendere le funzioni più comunemente utilizzate, in ogni caso Vi consigliamo la lettura di tutto il manuale d'uso.
Il Vostro installatore di fiducia sarà lieto di chiarirVi ogni dubbio sul sistema e le sue modalità di funzionamento.

***CONSERVATE IL PIN** (Codice di Identificazione Personale) insieme alla patente di guida **VI SERVIRÀ PER DISINSERIRE IL SISTEMA IN CASO DI EMERGENZA** e per accedere alla procedura di autoapprendimento dei telecomandi.*

THE TOTAL PROTECTION FOR YOUR CAR

Congratulations for purchasing of a Cobra Vehicle Security System.
It has been designed and manufactured in respect of the highest specification using the latest technology for total reliability and for absolute security. It incorporates the "Dynamic Coding" which makes impossible to overcome the system by scanning and duplicating its operating code.

Full protection of your car in case of 7918 is ensured with:

1. *Self powered by internal battery - the system can operate even if the vehicle power is disconnected.*
2. *Circuit engine immobilisation - operates immediately the system is armed, or passively after ignition key is switched off.*
3. *Passenger compartment protection - using ultrasonic sensor.*
4. *Peripheral protection - boot, bonnet and all doors using direct contact switches.*
5. *Personal protection - remote control panic button.*

(the above listed features is for 7918)
Keep this instruction book on the vehicle.
Refer to page 12 for the "Brief instruction" section which will allows you to learn the most used working features. It is very important that you read the complete end user instruction to ensure trouble free operation.
Your dealer will be pleased to clarify any queries you may have with the system or its operation.

***KEEP THE PIN** (Personal Identification Number) together with your personal documents. **THE PIN IS REQUIRED IF YOU NEED TO DISARM THE SYSTEM** in emergency condition and to add or change radio remote controls to the system*

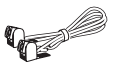
CONTENUTO DEL KIT


Centrale d'allarme


Radiocomandi


Pannello di emergenza opzionale

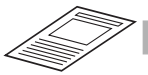

Chiave elettronica d'emergenza opzionale


Testine ultrasuoni (solo per *7803 - 7903 - 7913 - 7908 - 7918)*


Sensore rottura vetri (solo se previsto)


Led


Cablaggio


Manuale


Vetrofanie


Sacchetto accessori

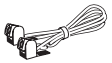
KIT CONTENTS


Alarm unit


Radio control


Emergency panel — optional

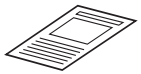

Emergency electronic key — optional


US transducers — (only for *7803 - 7903 - 7913 - 7908 - 7918)*


Glass break sensor — (only if supplied)


Led


Harness


Manual


Stickers


Accessory bag

I

INDICE

Utente

Installazione

GB

TABLE OF CONTENTS

User

Fitting instruction

I CONDIZIONI DI GARANZIA

Il prodotto é coperto da garanzia di 12 mesi a partire dalla data di acquisto certificata dallo scontrino di cassa o da un fattura.
La garanzia non si applica se il prodotto risulta danneggiato da installazione non corretta, danni dovuti a caduta o trasporto, a negligenza e comunque a cause non imputabili a difetti di fabbricazione. In caso di errata installazione del sistema, il costruttore non darà alcun indennizzo per danni - di qualunque natura e diretti od indiretti - verso persone o cose.
Per beneficiare della garanzia, bisogna rivolgersi al venditore autorizzato con la prova di acquisto che riporti la relativa data.

Estensioni di Garanzia: per informazioni sui servizi aggiuntivi, telefonate al Servizio Cobra Clienti t**el. 039/6841354** dal Lunedì al Venerdì dalle ore 9.00 alle 13.00 e dalle ore 14.00 alle 18.00.

GB WARRANTY CONDITIONS

This product is guaranteed for 12 months from date of purchase validated by receipt or invoice.The warranty will be null and void if the product displays signs of tampering, incorrect installation, damage caused by falling or transport, negligence and anything else not imputable to manufacturing defects. If the system operates incorrectly, manufacturer shall not be liable for injury of any kind, direct or indirect, to persons or damage to things.Refer any matters relating to this warranty to your authorized retailer together with adequate documentation showing date of purchase.

USE AND MAINTENANCE OF THE SYSTEM

INTRODUCTION

The main element of the system is a compact alarm unit wich includes the sensors and it is able to monitor external sensors and modules. It has a built in siren.
If the system is self powered the compact unit contains a battery, guaranteeing operation even if the wires are cut. The unit is supplied with wiring harness and accessories.
Amongst other things, the system carries out two fundamental functions:

- it prevents the engine from being started (for the systems which include the engine immobiliser)
- it protects against attempts at intrusion

The vehicle can only be started when the system is disarmed.
The anti-intrusion alarm system is operated by a high-security radio control that issues a new generation variable code. This new technology offers a very high degree of protection against all attempts to reproduce the code.
The radio control allows the system to be activated at a distance of 5-10 meters from the vehicle.
It may happen that other sources interferences cause a range reduction.
If the system can not be set/unset using the remote control try again getting closer to the vehicle.
In case the radio control doesn't work properly re-synchronized it as shown at page 9.
If the automating window closing is activated wa raccomand to stay close to the car while the windows are moving to garantee safety conditions.
The system is equipped with an auto-learning function that simplifies all operations when the radio control need to be added or replaced only with the acknowledge of the car owner.
Even when this protection system is used, it is advisable to take a series of precautions when the vehicle is left unattended:

- never leave valuable belongings in the vehicle;
- take the registration book and insurance documents with you;
- never leave the spare keys in the vehicle;
- always try to park in a well lit and safe place.

The automatic arming function of the system will ensure that the vehicle is always protected by the security alarm.

Your system can be extended with other sensors and components. A few of them is listed below:

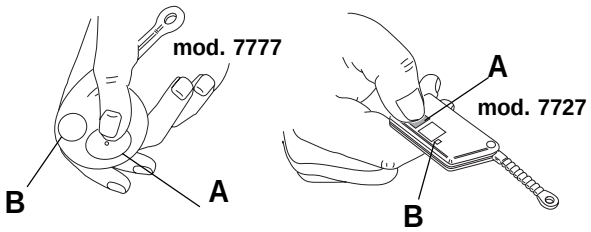
- volumetric hyperfrequency sensor, suitable when volumetric protection of the passenger compartment must remain activated even when the windows and sunroof are left open. Essential for convertible cars.
- level reference monitor. Detects when the vehicle is lifted, with a sensitivity able to signal attempts to steal the wheels or towing.
- electric window closing module. Automatically shuts the windows when the alarm is armed.
- Additional electronic emergency keys. They can be everytime used instead of a radio control and they make easier both the emergency and autolearning procedure.
  The use of the electronic emergency key for adding new remote controls to the system will increase the security.

Contact your installer if you wish to improve or complete your system.

BRIEF INSTRUCTION

ARMING

- Press the button A of the radio control to lock the doors (if the vehicle has a central locking system).
- The turn indicators will blink twice.
- The buzzer will beep twice (if activated).
- The protections activate after a 40 seconds timer is elapsed.
- The led will flash.



PROTECTION

When armed the system will generate an acoustic and visual 30 s alarm when the bonnet, boot or one of the doors is opened. Articles with the volumetric sensor (ultrasonic and/or hyperfrequency) will generate the alarm in case of intrusion.
The system remains activated at the end of the cycle.
Whith the system armed it will not be possible to cause the engine running (for system with engine immobiliser).

INTERRUPTING AN ALARM IN PROGRESS

If the system generates an alarm, the siren can be disactivated by pressing button A on the radio control once. The turn indicators will also stop blinking but the alarm system remains armed. Thus, if the system is activated (siren sounding), press the button twice to unlock the vehicle. The first pressure will stop the siren, the second will disarm the system and unlock the doors.

DISARMING

- Press button A on the radio control to open the doors.
- The turn indicators will blink once.
- The buzzer will beep once (if activated).
- The protections disactivate immediately.
- The led will go off.

Note: If an alarm has occurred the buzzer and the turn indicators will give four signals instead of one also if the buzzer is disarmed (refer to ALARM MEMORY section).

SPECIAL FUNCTIONS

AUTOMATIC ARMING (if activated)

If the unit is programmed with the automatic arming function, it will automatically arm about 60 seconds after the driver's side door has been opened and in any case 255 seconds after the engine has been turned off.
The LED will flash.
The doors will not automatically lock.
If activation occurs, the engine will be immobilised. Press button A on the radio control to disactivate the system. The LED will go out to confirm that the system has been disactivated.

INHIBITION OF THE AUTOMATIC ARMING FUNCTION (Garage inhibition)

The function "Garage inhibition" allows the temporarly deactivation of the automatic arming and it is useful for leaving the vehicle in attended parkings where you need to leave the vehicle's key.
With this function activated you can leave the keys, keeping the remote control and the emergency key with you. This is suggested to avoid the unauthorized use of the control set.
Turn the ignition key ON and, within 20 seconds, proceed in the following way:

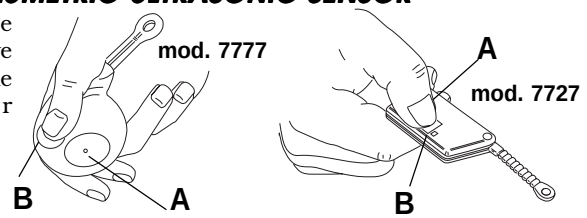
1) Press button B on the radio control. The system will indicate that it has received the command by sounding the buzzer twice and the LED start to flash.
2) Switch off the engine. The buzzer will indicate that the automatic arming function has been inhibited by two sounds. Every time the ignition key is turned OFF this acoustic signalling will be repeated until the automatic arming will be deactivated
   While using the car you will see the LED blinking fast as long as the engine remains on.
   The protection function will reset the first time the radio control is used or after the ignition has been turned on ten times.

ILLUMINATED ENTRY

If the system fitted offer this feature the courtesy light will be illuminated for 30 s when the alarm is disarmed. The light will go off when the timer is elapsed or when the ignition key is turned on.

DEACTIVATING THE VOLUMETRIC ULTRASONIC SENSOR

The volumetric sensor can be disactivated if you want to leave the windows open or if someone remains in the passenger compartment.



1) Arm the system pressing button A of the radio control.
2) Press button B on the radio control within 40 seconds.
   To confirm that the signal has been received, there will be an acoustic signal of the buzzer and the windows will stop (if the automatic window closing is activated). The volumetric sensors have been inhibited; all other protective functions remain activated.

EMERGENCY UNSET PROCEDURE BY USING THE ELECTRONIC KEYS

Put the emergency electronic key in connection with the emergency panel for about 1 second. The LED will go OFF. The system disarms.

EMERGENCY UNSET PROCEDURE BY USING THE PIN

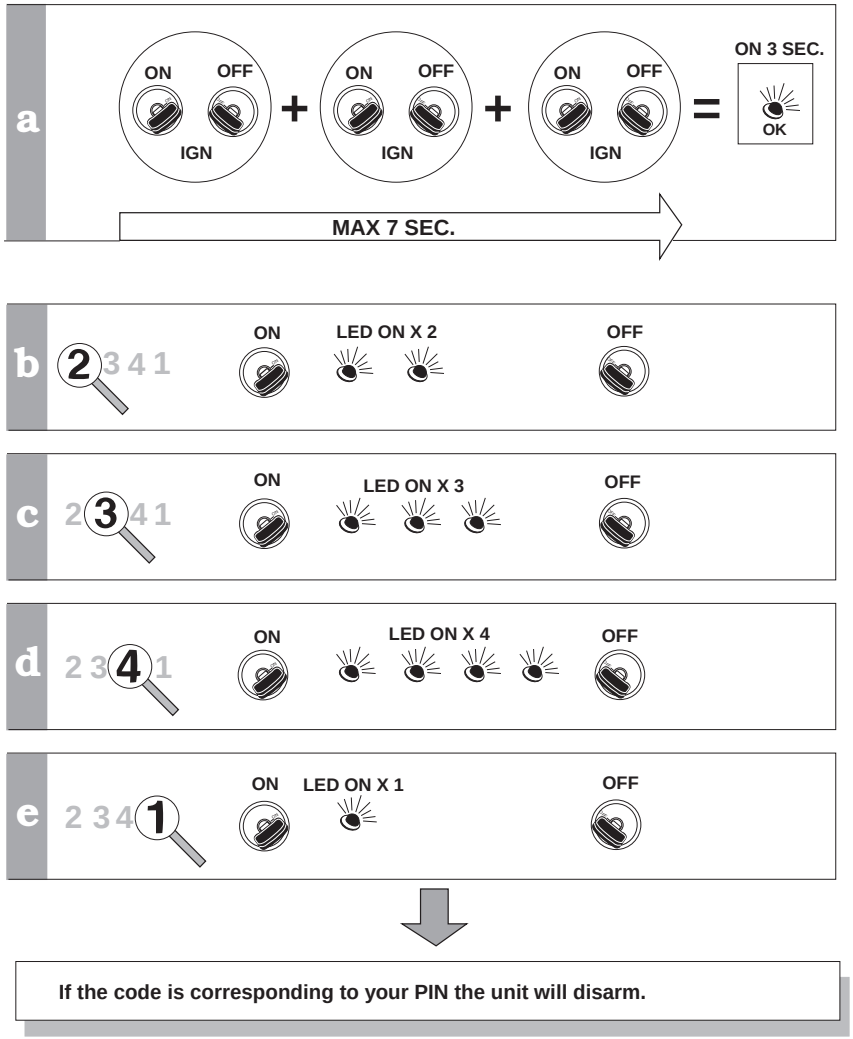
Follow this procedure if the remote control does not work. The intrusions and the ignition key will trigger the alarm proceeding as indicated.
The PIN code you can find on the last page of this instruction manual or on the EMERGENCY KEY CARD included in the kit, will give you the access to the system. This code is unique, different system by system, and protects all the security procedures.

1. Turn the starter key ON and then OFF for three times within 7 seconds.
2. The LED will blink once during 3 seconds signalling that you can insert the PIN code.
3. After the LED will go off switch the ignition ON and count the LED blinks up to the number which is the first digit of your PIN (referring to the example: 2 blinks=2 is the first digit) then switch the ignition OFF.
   Repeat the same procedure for all the digits.
4. In case of any mistake just wait for ten seconds with the starter key OFF without making any operation and then come back to step 1.

Please refer to the example of the next page. The assumption is that the PIN is 2341.

S/N

PIN CODE EXAMPLE → PIN CODE = 2341



If the code is corresponding to your PIN the unit will disarm.

AUTO-LEARNING PROCEDURE FOR NEW RADIO CONTROLS

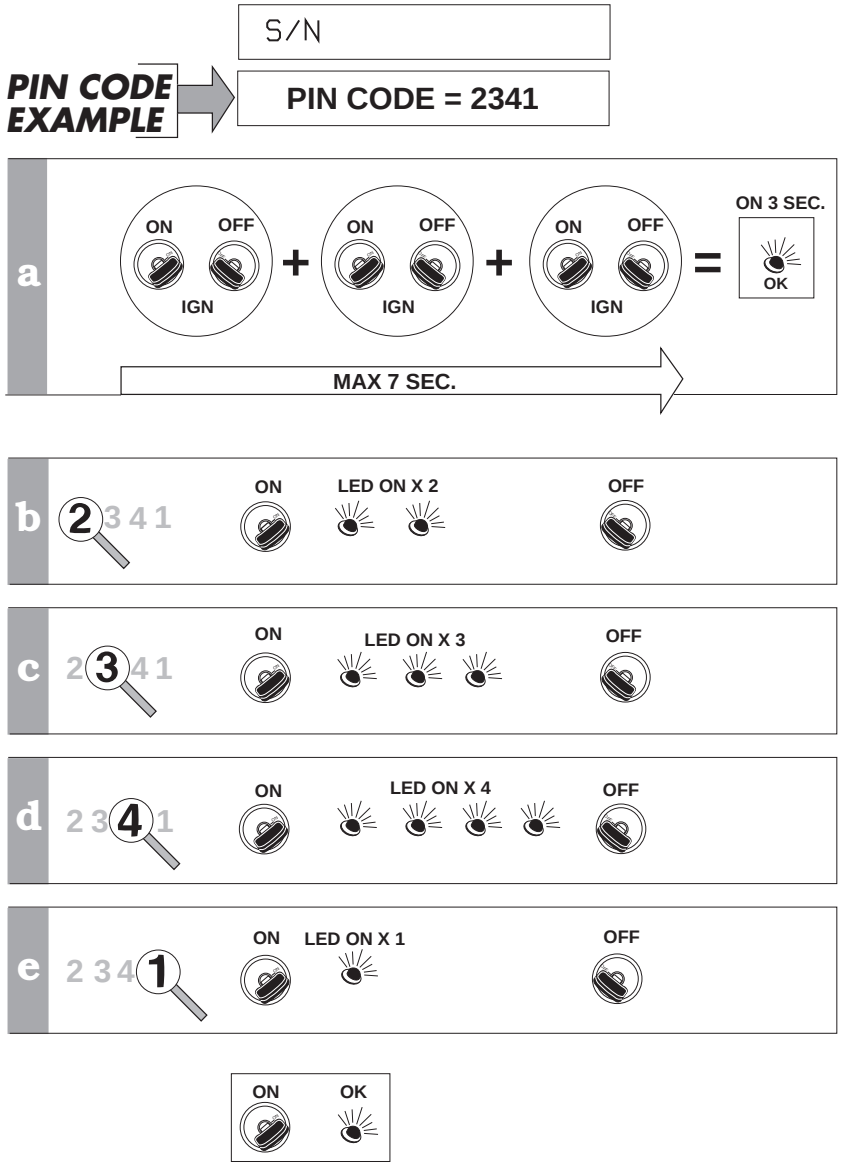
If a radio control is lost or begins to operate badly, is possible to replace it in safe way. In fact this procedure is only permitted by the using of your PIN code. Proceed in the following way:

1. Disarm the system.
2. Prepare all radio controls to add/replace.
3. Turn the ignition key ON, press both buttons on the radio control (art. 7777 or 7727) until the transmitter LED will go off.
4. Release the buttons and make sure that the LED on the radio control comes on in a fixed way. Repeat step 3 and 4 for all the remotes to add. Switch the ignition OFF.
5. Turn the ignition key ON and then OFF for three times within 7 seconds.
6. The LED will blink once during 3 seconds signalling that you can insert the PIN code.
7. After the LED will go off turn the ignition ON and count the led blinks up to the number which is the first digit of your PIN (referring to the example: 2 blinks=2 is the first digit) then switch the ignition OFF.
   Repeat the same procedure for all the digits.
   In case of any mistake just wait for ten seconds with the ignition key OFF without making any operation and then come back to step 5.
8. If the system has not already working electronic keys turn the ignition ON. The LED will come on a fixed way signalling that the PIN is correct. Go to step 10.
9. If the system has already working electronic keys turn the ignition ON and then put the key in connection with the emergency panel. The LED will come on a fixed way signalling that the PIN is correct and that the electronic key has been identified.
10. Press one of the two buttons to make sure that the radio control LED blinks and that the LED on the dash-board goes out for about 1 second.
11. Repeat the operation described in step 10 for all the remote controls you want to add.
10. The auto-learning procedure can be interrupted at any moment by simply turning the ignition key OFF.

Note: As soon as a new remote control is added to the system it will automatically put out of order the old TX set. If you want to keep them working you must add the old TX again. The system works with 4 keys maximum.

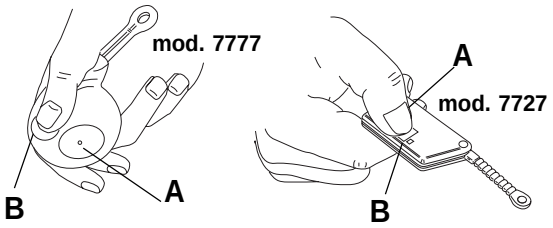
ACTIVE ARMING (If activated)

When activated this function will cause the automatic arming of the system. This happens after two minutes the system has been disarmed and any door has not been opened. The system will not operate the CDL.



RADIOCONTROLLED AUXILIARY OUTPUT (If activated)

With this function active you can operate the boot opening from the radio control pressing button B. Of course it will be possible if the vehicle is already equipped with the internal switch for the boot opening. The function works only when the alarm is unset to avoid undesidered operations while the car is running.



If you use this wire as indicated it will not be possible anymore to connect an additional siren

PANIC ALARM

Each time button B on the radio control is pressed with the system armed, an alarm cycle will be generated, the siren will sound and the turn indicators will blink for 10 seconds. Press any buttons to interrupt the panic alarm.
Panic feature will operate only 40 seconds after the alarm has been armed.

ALARM MEMORY

If an alarm has occurred the buzzer and the turn indicators will give four signals instead of one.
The alarm description information is given by different LED blinking, which will be available until the ignition key will be turned ON. See the table below.

LED SIGNAL	ALARM DESCRIPTION
1 blink	doors, bonnet, boot have been opened
2 blinks	additional sensor triggered
3 blinks	ultrasonic volumetric sensor triggered
4 blinks	attempts to start (ignition key)
5 blinks	voltage drop sensor triggered
6 blinks	tamper mode
7 blinks	serial line communication error
8 blinks	serial line communication error

IF BOTH RADIO CONTROLS ARE LOST

If both radio controls are lost you will still be able to proceed with emergency deactivation. Please refer to the emergency procedure at page 14.

LOSS OF THE PERSONAL CODE (PIN)

As the personal code represent the only possible access to the system, it should not be left in the unattended vehicle since it could be used to form unauthorized combinations with new radio controls or to disarm the system. If lost please contact your installer.

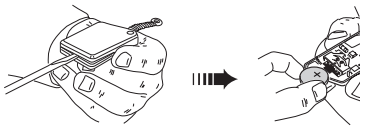
RADIO CONTROL BATTERY LOW

When the radio control battery becomes low, the radio control LED will blink in an irregular way or once only instead of remaining permanently ON until the button is released. Replace the battery.

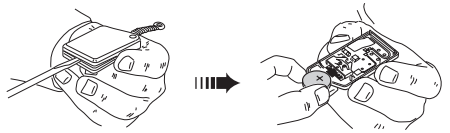
REPLACE THE BATTERY

1. To change the battery ,open the radio control as indicated in the figure, levering in the zone marked “OPEN”.
2. Remove the old battery as indicated.
4. Wait for 10 seconds about.
5. Open the pack with the new battery. Only touch it on its sides with the fingers.
   Insert the new battery, remembering to comply with the polarity indications (+sign upwards,as shown in the figure).
6. Close the radio control and press two times the A button checking the correct system operation.

mod. 7777



mod. 7727



Dispose the old battery in the special containers.

RE-SYNCHRONIZE THE RADIO CONTROLS

If the remote control does not work proceed as follow:

A) Press both buttons on the radio control until the LED will go OFF. Released them. (The LED will remain permanently ON).
B) Press button A of the radio control - the LED will flash -. This should complete re-synchronisation.
C) Press button A of the radio control again to verify that the product work properly.

SYSTEM TECHNICAL SPECIFICATIONS
(alarm with ultrasonic volumetric sensor)

Rated supply voltage	12VDC
Operation supply voltage	9/16VDC
Consumption by standard configuration (alarm with ultrasonic sensor and LED) at 12 VDC	
- disarmed	< 9 mA
- armed	< 13 mA
Operating temperature	-40/+105 °C
Acoustic power	>118 dB(A) a 1 m.
Auxiliary battery autonomy	>5 min. for T > -20°C

The system conforms to the following regulations:

EUROPEAN DIRECTIVES

Commission Directive 95/56/EC of 8 November 1995
Commission Directive 95/54/EC of 31 October 1995
Commission Directive 89/336 EEC

INSURANCE SPECIFICATIONS

THATCHAM	-	The British insurance industry's criteria - issue 2 January 1996
UPEA	-	Prescriptions pour les installations de protection des vehicules automobiles contre le vol V.V.3. - Systemes electroniques complementaires d'alarme
CEI 79-9	-	Sistemi di protezione contro un impiego non autorizzato dei veicoli a motore Cat. B liv. 2 Cobra 7908 Cat. B liv. 2 Cobra 7908 + level monitor sensor

INTERNATIONAL STANDARDS

IEC 839-10-1 - Alarm sytems for road vehicles 12-1995

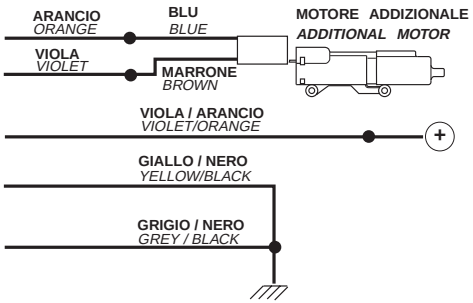
SCHEMI DI COLLEGAMENTO

CONNECTION DIAGRAMS

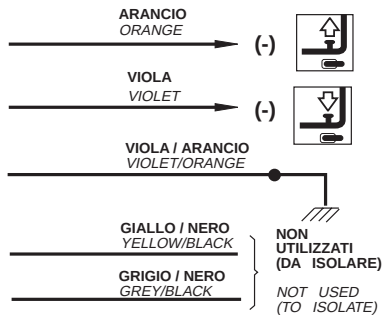
CHIUSURE CENTRALIZZATE - CENTRAL DOOR LOCKING

POSIZIONE *POSITION*	COLORI	*COLOURS*
K14	VIOLA / ARANCIO	*VIOLET / ORANGE*
K15	GIALLO / NERO	*YELLOW / BLACK*
K1	VIOLA	*VIOLET*
K2	ARANCIO	*ORANGE*
K3	GRIGIO / NERO	*GREY / BLACK*

A **AUTO SPROVVISTE DI AZIONATORE PORTIERA LATO GUIDA**
VEHICLES WITHOUT ACTUATOR IN THE DRIVER'S SIDE DOOR



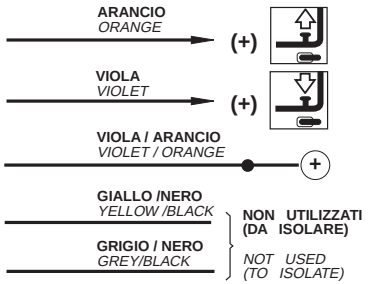
B **AUTO CON CHIUSURE A COMANDO NEGATIVO**
VEHICLES WITH NEGATIVE CDL PULSE



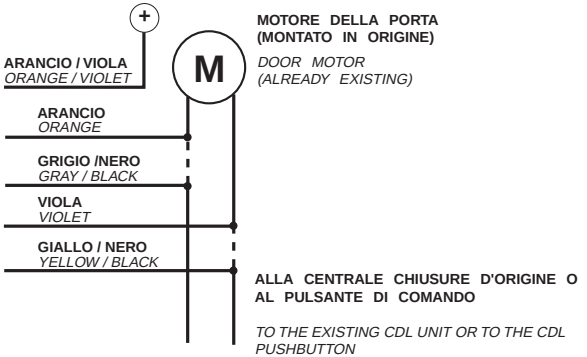
CHIUSURE CENTRALIZZATE - CENTRAL DOOR LOCKING

POSIZIONE *POSITION*	COLORI	*COLOURS*
K14	VIOLA / ARANCIO	*VIOLET / ORANGE*
K15	GIALLO / NERO	*YELLOW / BLACK*
K1	VIOLA	*VIOLET*
K2	ARANCIO	*ORANGE*
K3	GRIGIO / NERO	*GREY / BLACK*

C **AUTO CON CHIUSURE A COMANDO POSITIVO**
VEHICLES WITH POSITIVE CDL PULSE



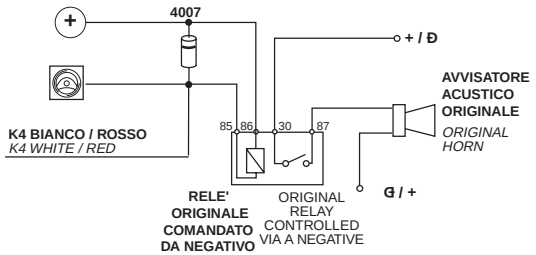
D **COMANDO DIRETTO MOTORE ORIGINALE PORTA (CHRYSLER JEEP, TWINGO**
ORIGINAL DOOR MOTOR DIRECT CONTROL (CHRYSLER JEEP, TWINGO)



COLLEGAMENTI DELL'AVVISATORE ACUSTICO E SIRENA SUPPLEMENTARE
ORIGINAL HORN AND ADDITIONAL SIREN CONNECTION

E

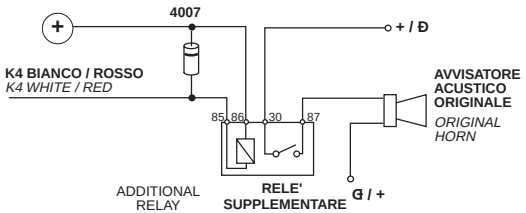
COLLEGAMENTO DELL'AVVISATORE ACUSTICO A COMANDO DIRETTO
ORIGINAL HORN CONNECTION



Selezionare uscita intermittente
Select Intermittent output

F

COLLEGAMENTO DELL'AVVISATORE ACUSTICO CON RELƒ SUPPLEMENTARE
HORN CONNECTION USING AN ADDITIONAL RELAY

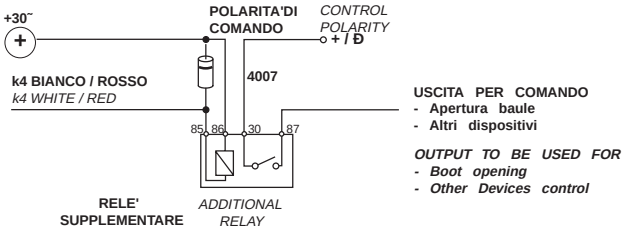


Selezionare uscita intermittente
Select Intermittent output

COLLEGAMENTI DELL'USCITA SUPPLEMENTARE O DELL'AVVISATORE ACUSTICO
ADDITIONAL OUTPUT OR SUPPLEMENTARY SIREN CONNECTION

G

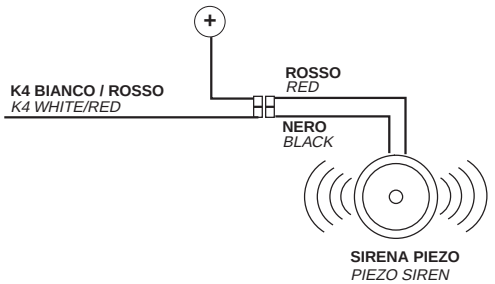
COLLEGAMENTO USCITA ACCESSORI (TASTO B)
***RADIO CONTROLLED AUXILIARY OUTPUT* (BUTTON B)**



Selezionare uscita tasto B
Select button B

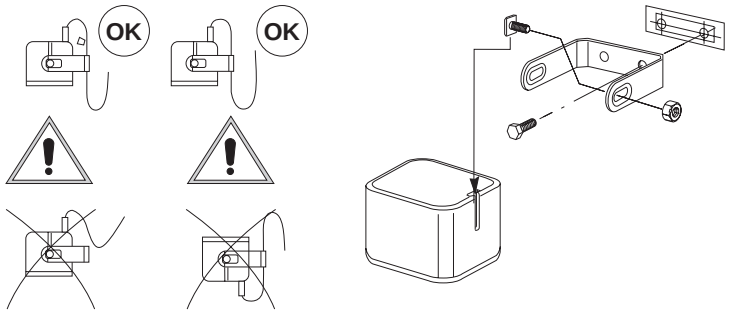
H

COLLEGAMENTO SIRENA SUPPLEMENTARE (MAX 0,5A)
ADDITIONAL SIREN CONNECTION (MAX 0,5A)



Selezionare uscita continua
Select continous output

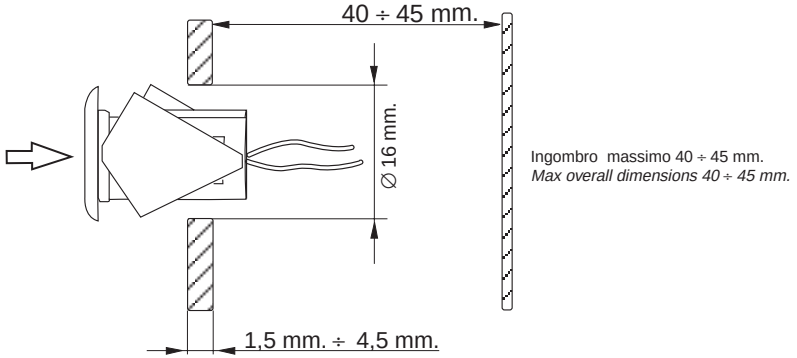
FISSAGGIO CENTRALE D'ALLARME - FASTENING OF THE ALARM UNIT



MONTAGGIO DEL PANNELLO DI CONTROLLO (Opzionale)
EMERGENCY PANEL MOUNTING (Optional)

Il pannello é da installare quando si aggiungono al sistema le chiavi elettroniche di emergenza.

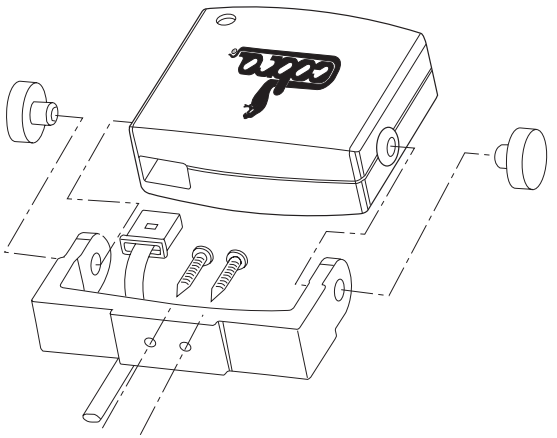
The emergency panel has to be fitted when the emergency electronic keys are added to the system



Ingombro massimo 40 ÷ 45 mm.
Max overall dimensions 40 ÷ 45 mm.

COLLEGAMENTO PER SENSORE ANTISOLLEVAMENTO E IPERFREQUENZA
LEVEL MONITOR AND HYPERFREQUENCY SENSOR CONNECTIONS

MONTAGGIO DEL MODULO IPERFREQUENZA
HYPERFREQUENCY MODULE MOUNTING



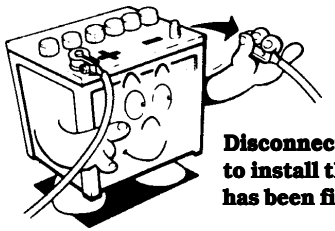
	7801	7802	7803	7804	7901	7902	7903	7904	7906	7907	7908	7909	7911	7912	7913	7914	7916	7917	7918	7919
Blocco motore ***Engine immobiliser***													✓	✓	✓	✓	✓	✓	✓	✓
Sirena autoalimentata ***Self powered siren***									✓	✓	✓	✓					✓	✓	✓	✓
Sensore rottura vetri ***Glass break sensor***		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓
Sensore ultrasuoni ***Ultrasonic sensor***			✓	✓			✓	✓			✓	✓			✓	✓			✓	✓
Chiusure centralizzate ***Central door locking***					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Uscita comando vetri (filo marrone/bianco) ***Windows output*** (brown/white wire)									✓	✓	✓	✓					✓	✓	✓	✓
Uscita avvisatore acustico (filo rosso/bianco) ***Original horn output*** (red/white wire)									✓	✓	✓	✓					✓	✓	✓	✓
Accensione luce di cortesia ***Illuminated entry***									✓	✓	✓	✓					✓	✓	✓	✓

N.B. Nella tabella sono illustrate solo le caratteristiche che differenziano i prodotti.

The table shows only the features which make the products different.

ATTENTION !

This product is preset to comply with the EC Directives. The buzzer and the voltage drop sensor can be activated only for no european countries. In case of activation the homologation will be invalidated.



Disconnect the negative wire from the battery before beginning to install the system and only connect it again after the system has been fitted.

FOREWORD

This system is compatible with engine driven vehicles with 12V batteries and negative ground.
The kit must be installed by a qualified technician in compliance with the supplied instructions. The installation certificate must be filled out in all parts by the installer.
Do not make alterations or modifications to the system since such action automatically voids the installation certificate.
Delta Elettronica S.p.A. assumes no responsibility for damage caused by incorrect installation of the system or by failure to comply with the indicated technical specifications.

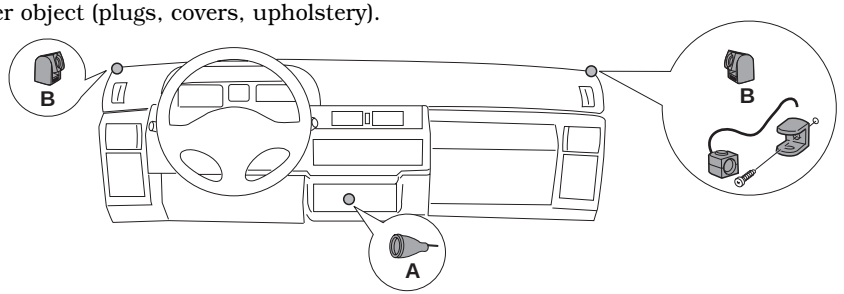
POSITIONING THE PARTS OF THE SYSTEM

ALARM

This must be positioned inside the engine compartment as far as possible from heat sources. Refer to the drawings for the unit fastening on the bracket and its orientation.
Look for a fixing point not influenced to the motor vibration
We raccomand to fix the unit in a hidden position, difficult to be reached.

VOLUMETRIC ULTRASONIC SENSOR (Ref. B)

The transducers can be installed on the windscreen or rear window pillars. The best place is just above the surface of the dashboard.
Wherever they are installed, make sure that the transducers do not interfere with any other parts.
It is of fundamental importance to correctly position the transducers so that they are able to offer a full degree of volumetric protection: direct the transducers towards the rear window so that they approximately converge towards the center of it. Fix them with the supplied screws. Make sure that the transducers are not obstructed by any other object (plugs, covers, upholstery).



This unit incorporates an ultrasonic sensor that does not need to be adjusted. It is already presetted indipendently by the different vehicle internal space.

GLASS BREAK SENSOR (ref. A)

Remember to fix the relative microphone in a central position of the vehicle. The best place is on the dashboard, pointing towards the rear window. This position achieves uniform sensitivity.

BONNET BUTTON

Use the material supplied in the kit. After it has been installed, make sure that the button is pressed by the bonnet to the extent of at least 5 mm. Make sure that the button is unable to press against the soundproofing panels or on the external bodywork since these materials could become deformed in time.
Cover the button with a film of grease to protect it from rust.

ANTENNA

The antenna is of fundamental importance for operation of the radio control system.
Comply with the following instructions:
The wire must not be cut, wound, connected to other wires or to the bodywork.
Keep the antenna at least 20 mm far from the car body and other metallic parts.

ELECTRICAL CONNECTIONS

We raccomand you to pay attention while joining together two or more wires. It is inadvisable to make “quick junctions” that fail to ensure good quality connections. Remember to position the alarm wires so that they are routed along with the original harness of the vehicle and to attach them to this with the relative clamps.
Refer to the enclosed wiring diagrams when making the electrical connections, bearing the following instructions in mind.

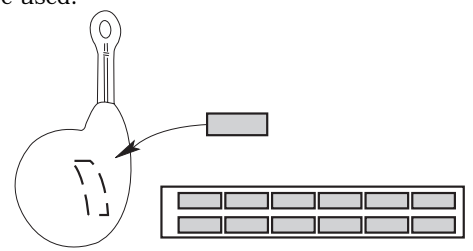
- the ground must be shunted from an original ground point of the vehicle or connected straight to the negative pole of the battery.
- the positive wires of the alarm unit must be connected to a positive of the fuse box (with the voltage drop sensor activated the alarm unit power supply must be connected to the entry light wire feed).
- the engine immobiliser function must be obtained by interrupting the fuel pump relay or pump control circuits. It is essential to block the fuel pump in vehicles with catalytic silencers. The internal relay and the engine immobiliser wires withstand the maximum current rating indicated in the wiring diagrams. Before connecting the GREEN wires, remember to measure the current in the point selected for the connection.
  The interrupted wire can be either positive or negative
- **The unit is already equipped with internal solid state electronic fuses. It is not necessary to add fuses in the wiring harness and to open the alarm unit for the internal fuses replacement. In case of short circuit wich could reduce the system performances it will be enough to remove the short circuit restoring the system to the standard operation.**

VOLTAGE DROP SENSOR (if activated)

The voltage drop sensor is also built-in and it is able to detect at least a 5W interior lamp which is switched on. When this sensor is activated the power supply red wire must be connected after the interior lamps fuse.

POSITIONING THE APPROVAL LABELS

The radio controls are supplied with homologation numbers for Germany and UK already printed.
The other approvals are include on the labels supplied in the kit. Just choose the label bearing the initial of your country and apply it as indicated in the figure
NOTE: The remaining labels must not be used.



PROGRAMMING THE SYSTEM

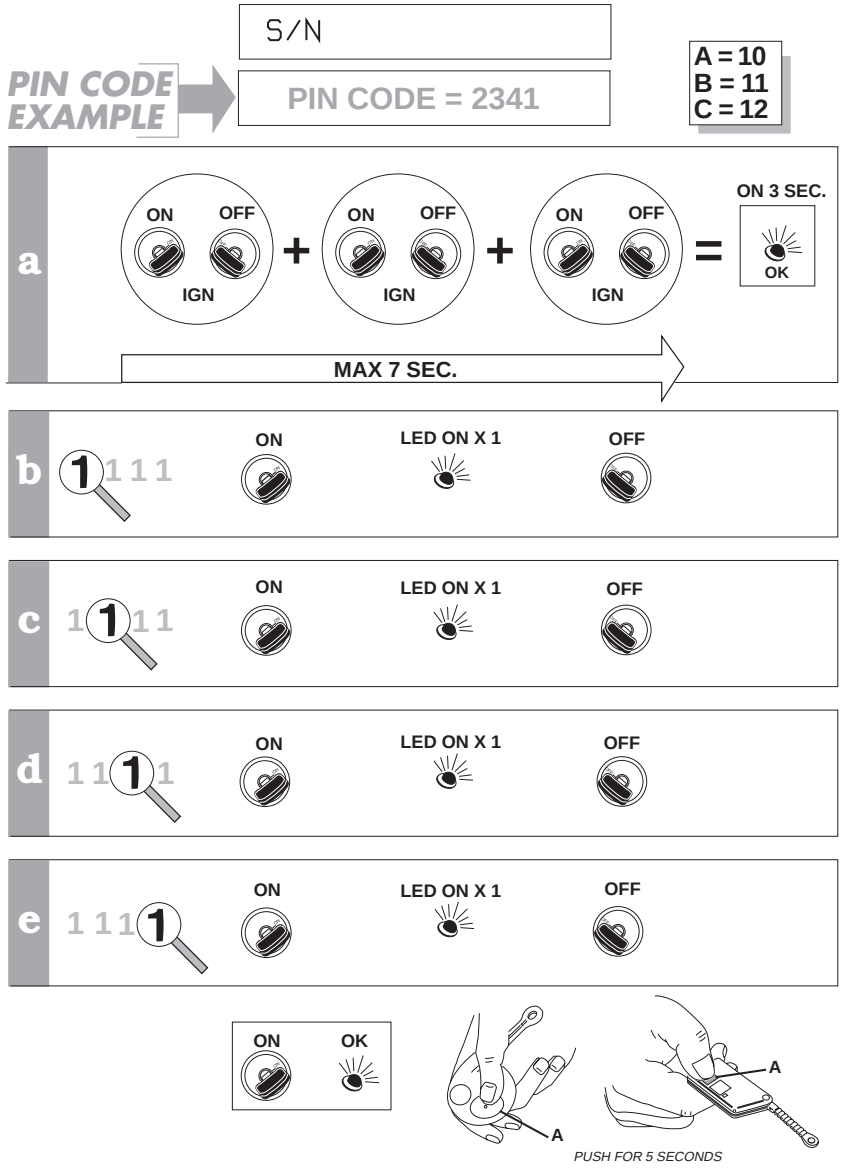
Most of the working features of this alarm unit are programmable.
There are no dip switches or trimmer to be set and adjusted. Based on that it is possible to obtain a very high security degree because the alarm unit can be mounted in a hidden position, difficult to reach.
The basic functions can be programmed using the remote control. To enter this procedure insert your personal identification number or, as an alternative the special code 1111.
After twenty arm/disarm operations this code will be automatically erased by the system and it will be necessary to use the PIN for further data modifications.
If PIN Code contains both numbers and letters (alphanumeric) A=10, B=11, C=12.
If the system is already equipped with electronic emergency keys they will have to be used to enter in the programming procedure.
You can choose different preset configuration contained in two different tables to select the bridge range working features:
the working mode table (MODE A - H) and the functions table (F1 - F12).
The mode table allows to choose the CDL operating time and to activate/deactivate the voltage drop sensor.
The functions table allows to define the system way of working activating or deactivating some particular functions.
Using the remote control it is possible to adjust the buzzer volume and to disconnect it.
The unit is already programmed as follow: MODE E and FUNCTION 11 activated, buzzer volume level 0. This production set-up is highlighted on the programming tables.
As an example if you want to program the system to be installed on a VW Golf III with a 24 seconds closing CDL pulse, 24 seconds window closing time and voltage drop sensor not actived you should select mode G, while to select a continous additional siren outlet and to deactivate both the automatic arming as the active arming you should select F10 function.

PROGRAMMING PROCEDURE

To enter to the programming procedure do as follow:

1. Turn the starter key ON and then OFF for three times within 7 seconds.
2. The LED will blink once signalling that you can insert the PIN code or the special code 1111.
3. After the LED will go off switch the ignition ON and count the LED blinks up to the number which is the first digit of your PIN (referring to the example: 1 blink=1 is the first digit) then switch the ignition OFF.
Repeat the same procedure for all the digits
In case of any mistake just wait for ten seconds with the starter key OFF without making any operation and then come back to step 1.
4. If the system has not already working electronic keys turn the ignition ON. The LED will come on a fixed way signalling that the PIN is correct. Go to step 6.
5. If the system has already working electronic keys turn the ignition ON and then put the key in connection with the emergency panel. The LED will come on a fixed way

INSTALLATOR CODE = 1111 (limited use)



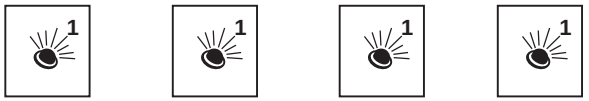
signalling that the PIN is correct and that the electronic key has been identified.

6. Keep pressed the remote control A button for 5 seconds. The LED will go OFF and then it will inform you by a long blink that you are positioned in the mode table.

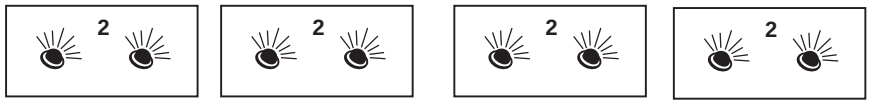
A group of faster blinks identify the selected mode: 1 blink means mode A, 2 blinks mean mode B and so on. Press button A of the remote control to change from one mode to the next as soon as the number of blinks corresponds to the selected mode.
Press button B of the remote control to confirm the selected mode; the group of blinks will become slow to show that the choosen mode as been activated.
If you don't want to change the corrent setting or you don't remember the original setting, don't press the remote control B button and proceed turning the ignition key OFF; in this way you will mantain the courrent setting.

The way of blinking of the LED is the following:

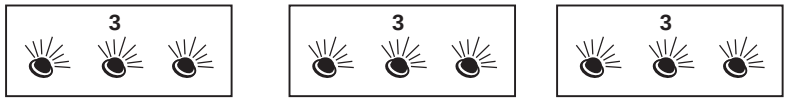
MODE A



MODE B



MODE C

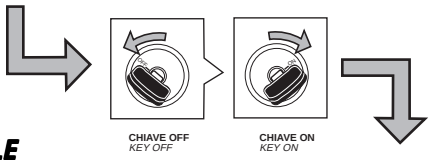


Turn the ignition key OFF and then ON to go to the next table. The LED will go OFF and then it will inform you by two long blinks that you are positioned in the function table. As explained for the mode table (remote control A button for the selection and B button for confirmation) you can choose the more suitable setting for your application.
Turning the ignition key ON and OFF again you can program the buzzer volume the LED will inform you by three long blinks that you can adjust the buzzer volume:
by pressing the remote control A button the volume increases while pressing B button decreases. Every time you press a button the buzzer will sound to let you check the new volume level.

DATA TABLES

MODE TABLE

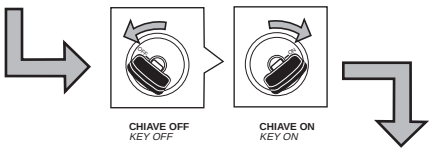
Mode	CDL Closing Relay operating time (violet wire)	window closing time (brown/white wire)	Voltage Drop sensor
A = 1 blink	1 s	controlled by TX	ON
B = 2 blinks	1 s	24 s	ON
C = 3 blinks	24 s	24 s	ON
D = 4 blinks	controlled by TX	controlled by TX	ON
E = 5 blinks	1 s	controlled by TX	OFF
F = 6 blinks	1 s	24 s	OFF
G = 7 blinks	24 s	24 s	OFF
H = 8 blinks	controlled by TX	controlled by TX	OFF



Factory Set-up

FUNCTIONS TABLE

Function	Passive Arming (Immobiliser)	Active Arming	white/red wire outlet selection (siren/horn)
F1 = 1 blink	ON	ON	continuous
F2 = 2 blinks	ON	ON	intermittent
F3 = 3 blinks	ON	ON	output controlled by B button
F4 = 4 blinks	ON	OFF	continuous
F5 = 5 blinks	ON	OFF	intermittent
F6 = 6 blinks	ON	OFF	output controlled by B button
F7 = 7 blinks	OFF	ON	continuous
F8 = 8 blinks	OFF	ON	intermittent
F9 = 9 blinks	OFF	ON	output controlled by B button
F10 = 10 blinks	OFF	OFF	continuous
F11 = 11 blinks	OFF	OFF	intermittent
F12 = 12 blinks	OFF	OFF	output controlled by B button



Factory Set-up VOL = 0

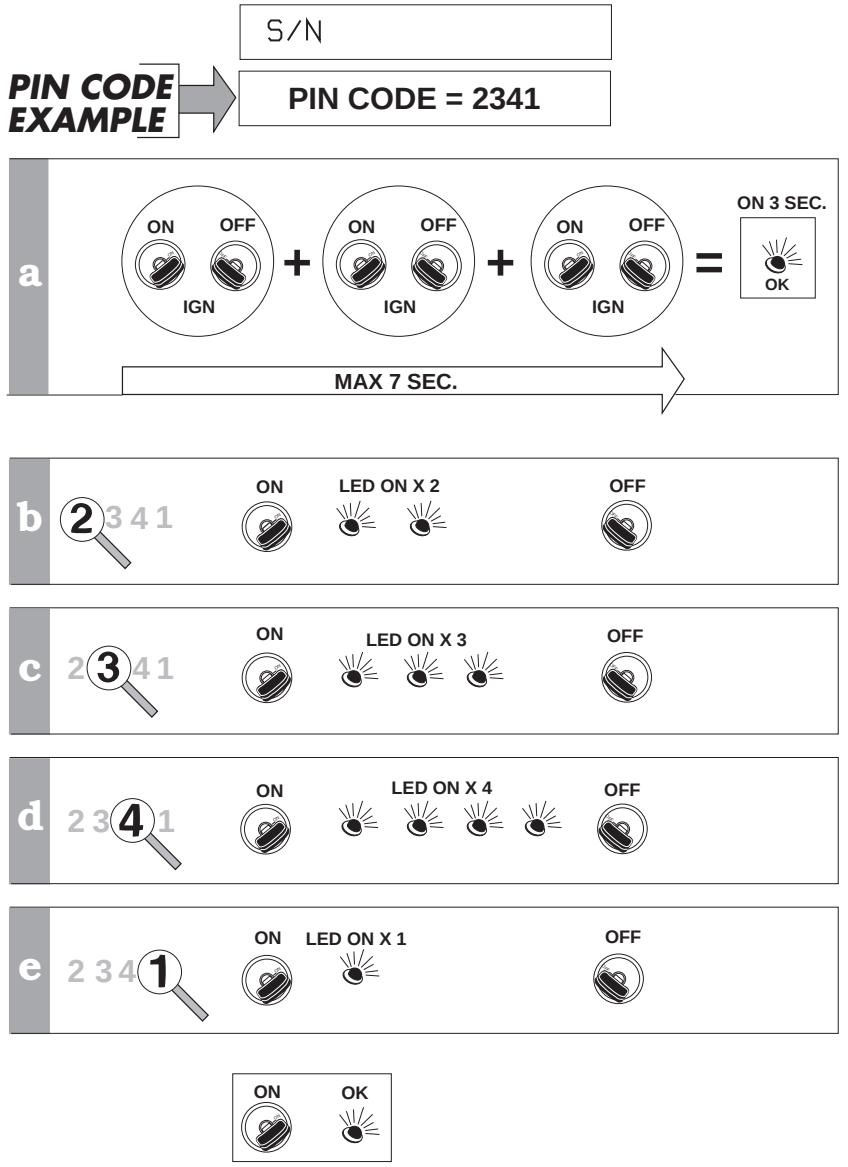
Buzzer Volume : 0 ÷ MAX

AUTO-LEARNING PROCEDURE FOR EMERGENCY ELECTRONIC KEY

The electronic keys can control the alarm exactly as the radio remote controls. They increase the security degree during the autolearning procedure. The use of electronic keys will semplify the emergency and programming procedures. To add electronic keys, fit the emergency panel and connect it as shown in the fitting diagrams.
Proceed in the following way:

1. Disarm the system.
2. Prepare all the keys to add.
3. Turn the starter key ON and then OFF for three times within 7 seconds.
4. The LED will blink once during 3 seconds signalling that you can insert the PIN code.
5. After the LED will go off turn the ignition ON and count the LED blinks up to the number which is the first digit of your PIN (referring to the example: 2 blinks=2 is the first digit) then turn the ignition OFF.
   Repeat the same procedure for all the digits.
   In case of any mistake just wait for ten seconds with the ignition key OFF without making any operation and then come back to step 5.
6. If the system has not already working electronic keys turn the ignition ON. The LED will come on a fixed way signalling that the PIN is correct. Go to step 8.
7. If the system has already working electronic keys turn the ignition ON and then put the key in connection with the emergency panel. The LED will come on a fixed way signalling that the PIN is correct and that the electronic key has been identified.
8. Put the key in connection with the emergency panel for about 1 second; the LED will go OFF and the ON again signalling that electronic key has been added to the system.
9. Repeat the operation described in step 8 for all the keys you want to add.
10. The auto-learning procedure can be interrupted at any moment by simply turning the ignition key OFF.

Note: As soon as a new electronic key is added to the system it will automatically put out of order the old key set. If you want to keep them working you must add the old keys again. The system can works with maximum 4 keys. If the system is already equipped with electronic emergency keys, the access to the programming and autolearning procedures is subordinate to the key and PIN identification.



ACTIVE ARMING (If activated)

When activated this function will cause the automatic arming of the system. The arming will become active after two minutes the system has been disarmed via the remote control and any door has not been opened. The system will not operate the CDL.

RADIOCONTROLLED AUXILIARY OUTPUT (if activated)

If the function as been activated a two seconds negative output will be available on the white/red wire by pressing B button with the system unsetted.
The maximum driven current is 500 mA. Refer to G diagram for additional relay connection.
This output can be used for:

- boot opening
- activation/desactivation of other devices.

If not used this wire must be isolated.
N.B. If you use this wire as indicated it will not be possible anymore to connect an additional siren

ILLUMINATED ENTRY

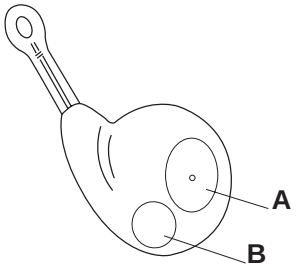
It is necessary to connect the PINK/BLUE alarm wire to the driver side door push button as showed in the fitting diagrams to obtain the illuminated entry when the alarm is disarmed.
For those alarm unit which are not providing this feature the PINK/BLUE wire can be used as a standard door push button trigger wire

SERIAL COMMUNICATION PORT

The yellow/blue wire can be use for additional module and diagnostic tester connection. Refer to their installation and user manuals.

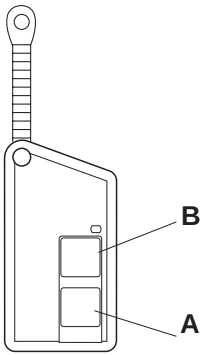
FUNCTIONAL TEST OF THE INSTALLATION AND SENSOR REGULATION

Carry out the test operations in the indicated sequence after having shut the doors, bonnet and boot. The test operations **must be carried out within the 40 second inhibition phase**. An alarm status will be generated (siren and blinker) once this time has elapsed.



FOR ALL VERSIONS

PERIMETRAL PROTECTION TEST



Arm the alarm by pressing button A on the remote control. The turn indicators will blink twice. The buzzer will beep twice (if activated). The doors will lock.
The led will flash.

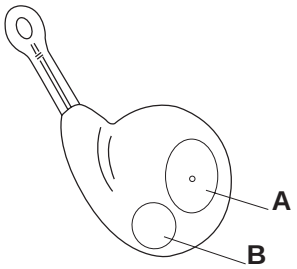
Open a door with the key. The buzzer will issue a continuous sound. The signal will cease when the door is closed.

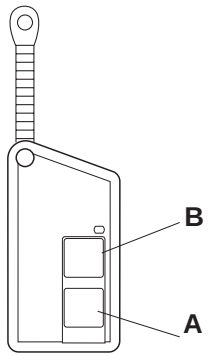
Repeat the test for the other connected doors, the bonnet and boot.

Disarm the alarm by pressing button A on the radio control.
The turn indicators will blink once. The doors will unlock and the led will go out.

FUNCTIONAL TEST OF THE VOLTAGE DROP SENSOR

Carry out the test operations in the indicated sequence after having shut the doors, bonnet and boot. The test operations must be carried out **after** the 40 second inhibition phase.





FOR ALL VERSIONS

TEST TO BE CONDUCTED BEFORE TO CONNECT THE BLUE WIRE

↓

Arm the alarm by pressing button A on the remote control. The turn indicators will blink twice. The buzzer will beep twice (if activated). The door lock.
The LED blinks.

↓

Wait 40 seconds and then open the boot. The interior light will go on

↓

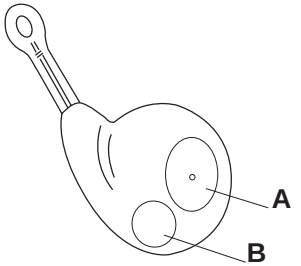
An alarm has to occur (siren sounding)

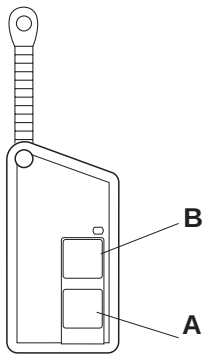
↓

Disarm the alarm by pressing A on the radio control

FUNCTIONAL TEST OF THE INSTALLATION AND SENSOR REGULATION

Carry out the test operations in the indicated sequence after having shut the doors, bonnet and boot. The test operations must be carried out **within** the 40 second inhibition phase. An alarm status will be generated (siren and blinker) once this time has elapsed.





ONLY FOR
7903 - 7913
7908 - 7918

↓

Arm the alarm by pressing A
Make sure that there is nothing able to move in the passenger compartment. Shut the doors, bonnet and boot, keeping 2 windows on the same side lowered about 10 centimeters.

↓

Insert a hand into the vehicle and wave it about on a level with the front seat headrest. If the LED starts blinking quickly the sensor is working properly

↓

Disarm the alarm by pressing A and close the windows.

↓

Arm the alarm by pressing A and hit the windows with the fist.The LED has to go on blinking in the same way.

TROUBLESHOOTING

FAULT	CAUSE	REMEDY
The windows don't close.	Wrong window or CDL output time setting. (CDL for cars with comfort function)	Select the right output time.
False alarms are generated.	The volumetric hyperfrequency sensor (if installed) is in the wrong position, e.g. under the glove compartment where coins or other metal objects are deposited. Otherwise it may be too sensitive, detecting movements outside the passenger compartment.	Position the sensor well away from metal parts and repeat the regulating procedure
	The lifting sensor (if installed) is near a heat source.	Check the position and move it.
	The voltage drop sensor is activated but there are working devices when the engine is not running.	Deactivate the voltage drop sensor.
The voltage drop sensor does not work properly	The positive feed wire connection is not correct.	Connect the red wire close to the interior light fuse.
Radio control doesn't work.	The currently used radio control is no longer synchronized with the unit.	Press both buttons on the radio control until the LED will go OFF. Released them. (The LED will remain permanently ON). Press button A of the radio control - the LED will flash -. This should complete re-synchronisation. Press button A of the radio control again to verify that the product work properly.

CAR SECURITY

CERTIFICATO DI INSTALLAZIONE
INSTALLATION CERTIFICATE

Il sottoscritto, installatore, certifica di aver eseguito personalmente l'installazione del dispositivo di allarme del veicolo descritto qui di seguito, conformemente alle istruzioni del fabbricante.

I undersigned, professional installer, certify that the installation of the vehicle alarm system described below has been carried out by myself pursuant to the mounting instruction supplied by the manufacturer of the system.

INFORMAZIONI INSTALLAZIONE
INSTALLATION DETAILS

INSTALLATORE / *FITTING CENTER* _____ **A/c NO.** ☐☐☐☐☐

INDIRIZZO /*ADDRESS* _____

_____

CODICE POSTALE /*POSTCODE* _____ **TEL. NO.** _____

DATA D'INSTALLAZIONE *INSTALLATION DATE* ☐☐ ☐☐ ☐☐ _____

DESCRIZIONE PRODOTTO
PRODUCT DESCRIPTION

MARCA / *MAKE* _____ **TIPO** / *TYPE* _____

NUMERO DI OMOLOGAZIONE / *APPROVAL NUMBER* _____

FIRMA / *SIGNATURE* _____ **DATA** *DATE* ☐☐ ☐☐ ☐☐

INFORMAZIONI VEICOLO
VEHICLE DETAILS

MARCA / *MAKE* _____ **CHASSIS NO.** _____

MODELLO / *MODEL* _____ **TARGA** / *REG. NO.* _____

INFORMAZIONI CLIENTE / PROPRIETARIO VEICOLO
CUSTOMER DETAILS / VEHICLE OWNER

NOME / *NAME* _____ **COGNOME** / *SURNAME* _____

INDIRIZZO /*ADDRESS* _____

_____

CODICE POSTALE /*POSTCODE* _____ **TEL. NO.** _____

CONTROLLI ANNUALI DEL SISTEMA
ANNUAL SYSTEM HEALTH CHECK

DATA *DATE* ☐☐ ☐☐ ☐☐ **INSTALLATORE** *FITTING CENTER* _____ **A/c NO.** ☐☐☐☐☐

DATA *DATE* ☐☐ ☐☐ ☐☐ **INSTALLATORE** *FITTING CENTER* _____ **A/c NO.** ☐☐☐☐☐

DATA *DATE* ☐☐ ☐☐ ☐☐ **INSTALLATORE** *FITTING CENTER* _____ **A/c NO.** ☐☐☐☐☐

CE DECLARATION OF CONFORMITY

We **DELTA ELETTRONICA S.p.A**
registered office at
via Astico 41
I - 21100 VARESE

declare that

- transmitter 7777, short range device using ISM-frequencies
- transmitter 7727/7726, short range device using ISM-frequencies

satisfies the basic requirements of Electromagnetic Compatibility of the below indicated Directive:

89/336/EEC of 3 May 1989 with subsequent modifications (Directive 92/31/EEC of April 28, 1992 and Directive 93/68/EEC of July 22, 1993)

as having been designed in conformity with the requirements of the following Reference Standards:

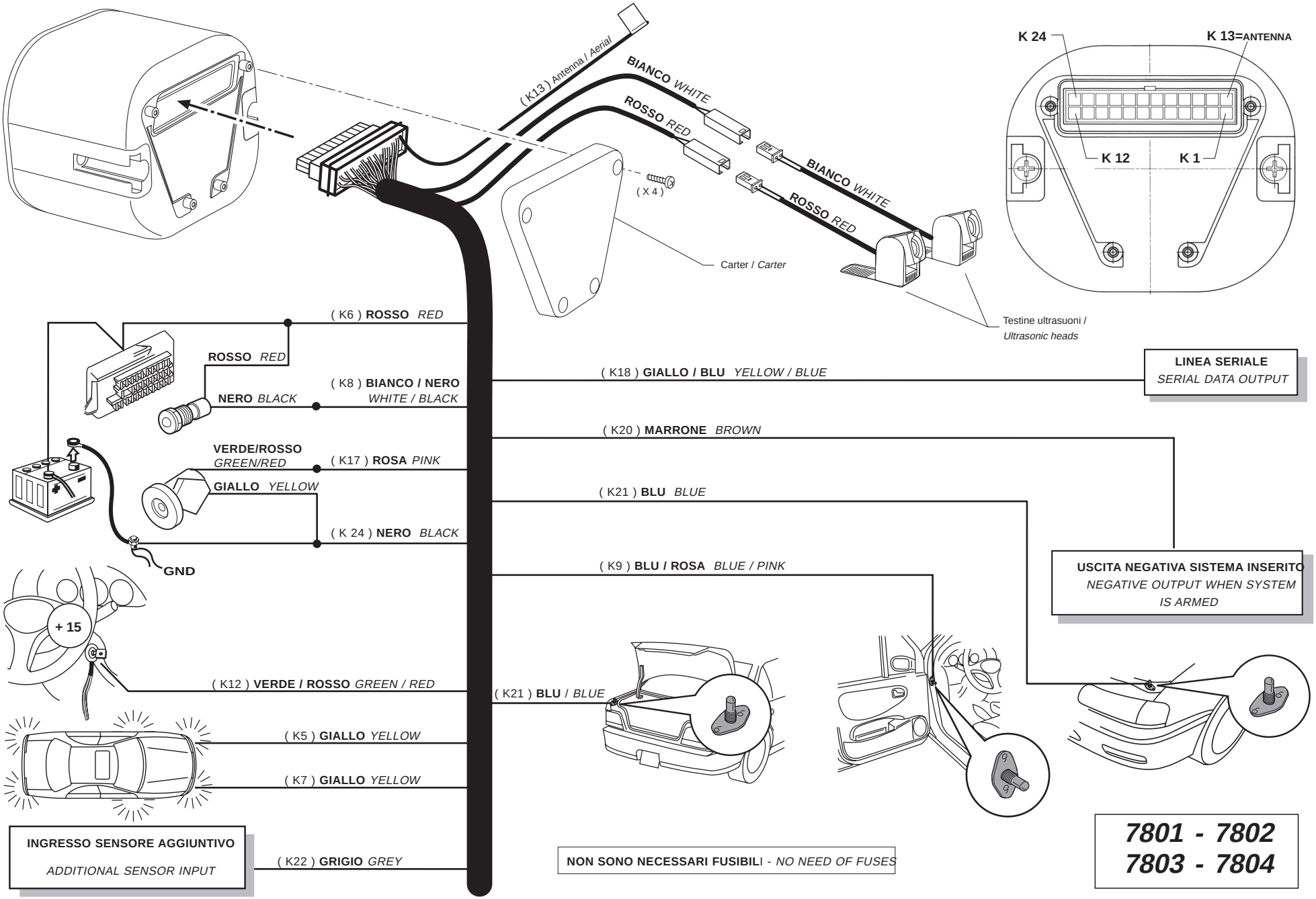
I- ETS 300 220, October 1993
Draft prETS 300 683, November 1995

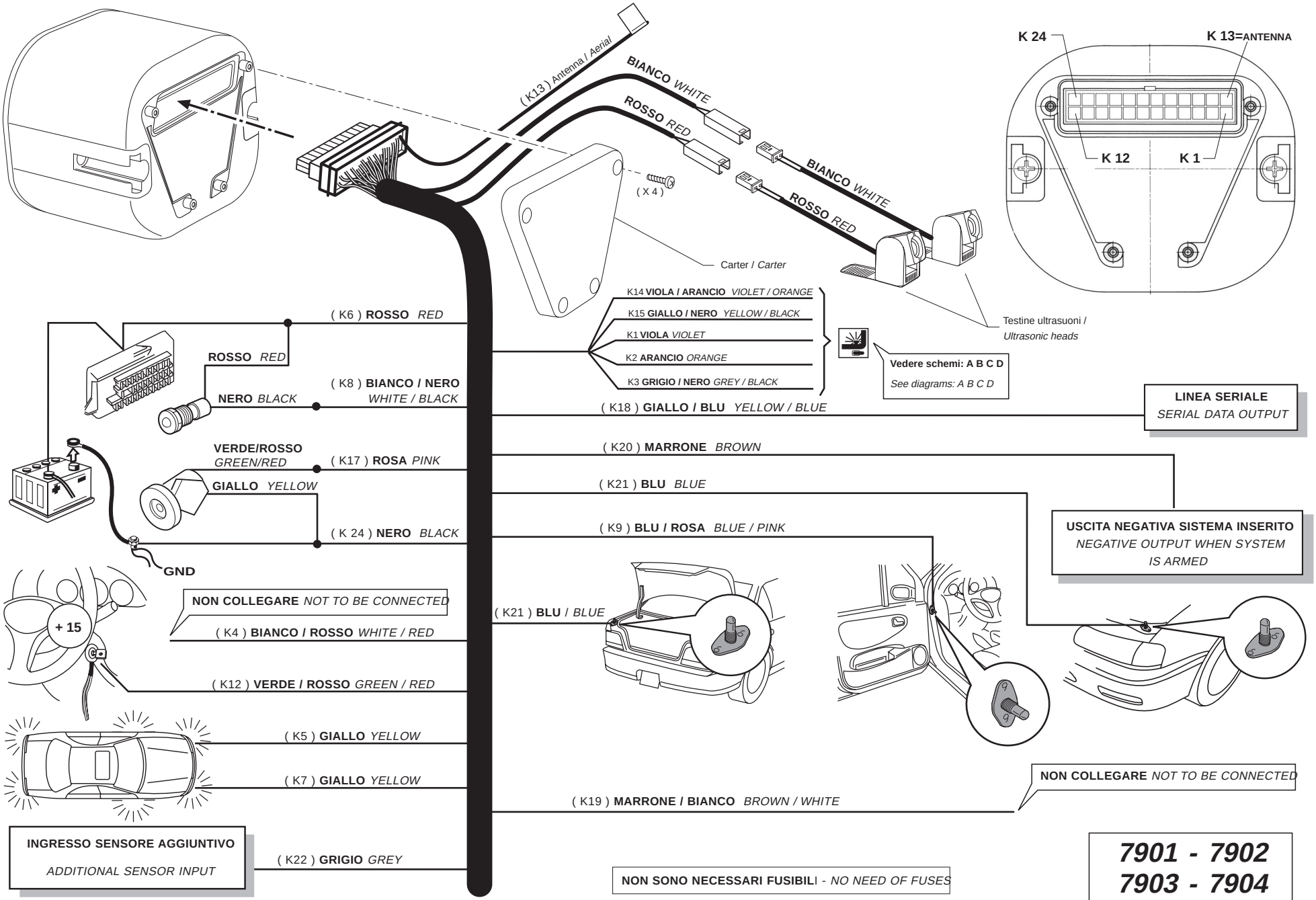
as stated in the following EC type examination certificates:

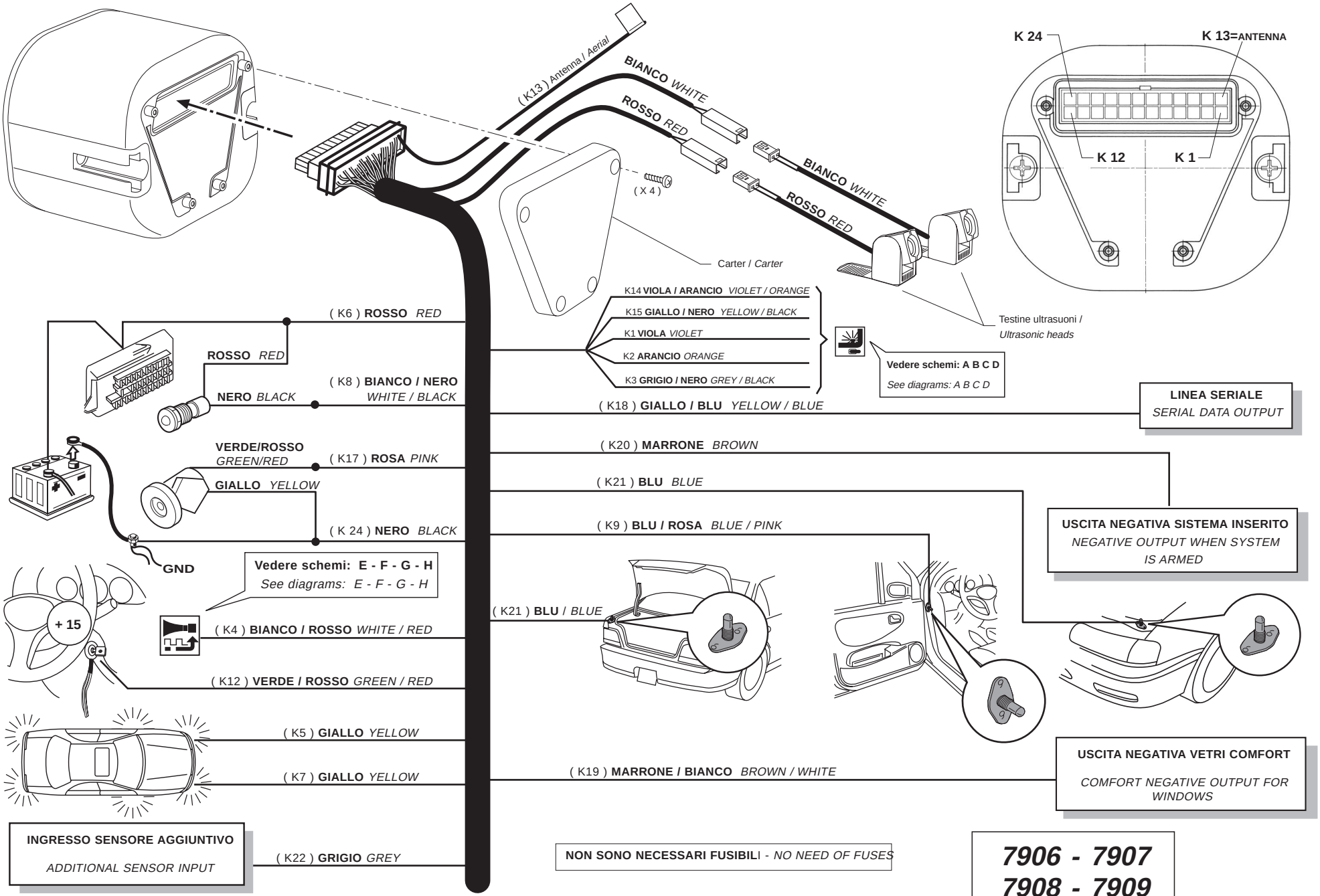
CE **- 0188** **B122897H of 12.07.96** **(type 7726 and 7727)**
B130418I of 10.01.97 **(type 7777)**

Mod.	Organization	Country	Approv. No
7777	IBPT	Belgium	RTT/D/X1377
	NTAD	Denmark	ALR 96130
	TAC	Finland	FI96080133
	DGPT	France	97 0039 PPL 0
	BZT	Germany	G130417J
	HDTP	Holland	NL 96120670
	MPT	Italy	DGPGF/4/2/03/338553/FO/
	NTRA	Norway	NO96000844-R
	ICP	Portugal	ICP-003TC-97
	DGT	Spain	pending
	PTS	Sweden	Ue 960214
	BAKOM	Switzerland	BAKOM 96.1116.K.P
	RA	U.K.	12522
	APT	Greece	pending
7726	IBPT	Belgium	RTT/D/X/1224
	NTAD	Denmark	ALR 9541
	TAC	Finland	FI95080050
	TAC	Finland	FI95080051
	TAC	Finland	FI95080052
	DGPT	France	95 0171 PPL 0
	BZT	Germany	G118836F
	DTEC	Ireland	IRL TRA 24/5/97
	MPT	Italy	DCSR/2/4/144/03/ 332350/FO
	NTRA	Norway	NO95000288-R
	ICP	Portugal	ICP-035TC-95
	DGT	Spain	pending
	PTS	Sweden	Ue 950080
	BAKOM	Switzerland	BAKOM 95.0420.K.P
	R.A.	U.K.	11086
7727	IBPT	Belgium	RTT/D/X/1224
	NTAD	Denmark	ALR 9541
	TAC	Finland	FI95080050
	TAC	Finland	FI95080051
	TAC	Finland	FI95080052
	TAC	Finland	FI96080041
	DGPT	France	95 0171 PPL 1
	BZT	Germany	G118836F
	DTEC	Ireland	IRL TRA 24/5/97
	MPT	Italy	DCSR/2/4/144/03/ 332350/FO
	NTRA	Norway	NO95000289-R
	ICP	Portugal	ICP-036TC-95
	DGT	Spain	pending
	PTS	Sweden	Ue 950080
	BAKOM	Switzerland	BAKOM 95.0420.K.P
	R.A.	U.K.	11086

Da conservare con i documenti dell'auto.
To preserve with registration and insurance documents


(K13) Antenna / Aerial
BIANCO WHITE
ROSSO RED
BIANCO WHITE
ROSSO RED
(X 4)
Carter / Carter
Testine ultrasuoni / Ultrasonic heads
K 24
K 13=ANTENNA
K 12
K 1
(K6) ROSSO RED
ROSSO RED
(K8) BIANCO / NERO WHITE / BLACK
NERO BLACK
VERDE/ROSSO GREEN/RED
(K17) ROSA PINK
GIALLO YELLOW
(K 24) NERO BLACK
GND
+ 15
(K12) VERDE / ROSSO GREEN / RED
(K5) GIALLO YELLOW
(K7) GIALLO YELLOW
INGRESSO SENSORE AGGIUNTIVO
ADDITIONAL SENSOR INPUT
(K22) GRIGIO GREY
(K18) GIALLO / BLU YELLOW / BLUE
LINEA SERIALE
SERIAL DATA OUTPUT
(K20) MARRONE BROWN
(K21) BLU BLUE
(K9) BLU / ROSA BLUE / PINK
USCITA NEGATIVA SISTEMA INSERITO
NEGATIVE OUTPUT WHEN SYSTEM IS ARMED
(K21) BLU / BLUE
NON SONO NECESSARI FUSIBILI - NO NEED OF FUSES
7801 - 7802
7803 - 7804


(K13) Antenna / Aerial
BIANCO WHITE
ROSSO RED
BIANCO WHITE
ROSSO RED
(X 4)
Carter / Carter
K 24
K 13=ANTENNA
K 12
K 1
Testine ultrasuoni / Ultrasonic heads
K14 VIOLA / ARANCIO VIOLET / ORANGE
K15 GIALLO / NERO YELLOW / BLACK
K1 VIOLA VIOLET
K2 ARANCIO ORANGE
K3 GRIGIO / NERO GREY / BLACK
Vedere schemi: A B C D
See diagrams: A B C D
(K6) ROSSO RED
ROSSO RED
(K8) BIANCO / NERO WHITE / BLACK
NERO BLACK
(K18) GIALLO / BLU YELLOW / BLUE
LINEA SERIALE
SERIAL DATA OUTPUT
(K20) MARRONE BROWN
VERDE/ROSSO GREEN/RED
(K17) ROSA PINK
GIALLO YELLOW
(K21) BLU BLUE
(K 24) NERO BLACK
(K9) BLU / ROSA BLUE / PINK
USCITA NEGATIVA SISTEMA INSERITO
NEGATIVE OUTPUT WHEN SYSTEM IS ARMED
GND
NON COLLEGARE NOT TO BE CONNECTED
+ 15
(K4) BIANCO / ROSSO WHITE / RED
(K21) BLU / BLUE
(K12) VERDE / ROSSO GREEN / RED
(K5) GIALLO YELLOW
(K7) GIALLO YELLOW
NON COLLEGARE NOT TO BE CONNECTED
(K19) MARRONE / BIANCO BROWN / WHITE
INGRESSO SENSORE AGGIUNTIVO
ADDITIONAL SENSOR INPUT
(K22) GRIGIO GREY
NON SONO NECESSARI FUSIBILI - NO NEED OF FUSES
7901 - 7902
7903 - 7904


(K13) Antenna / Aerial
BIANCO WHITE
ROSSO RED
BIANCO WHITE
ROSSO RED
(X 4)
Carter / Carter
K 24
K 13=ANTENNA
K 12
K 1
Testine ultrasuoni / Ultrasonic heads
K14 VIOLA / ARANCIO VIOLET / ORANGE
K15 GIALLO / NERO YELLOW / BLACK
K1 VIOLA VIOLET
K2 ARANCIO ORANGE
K3 GRIGIO / NERO GREY / BLACK
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See diagrams: A B C D
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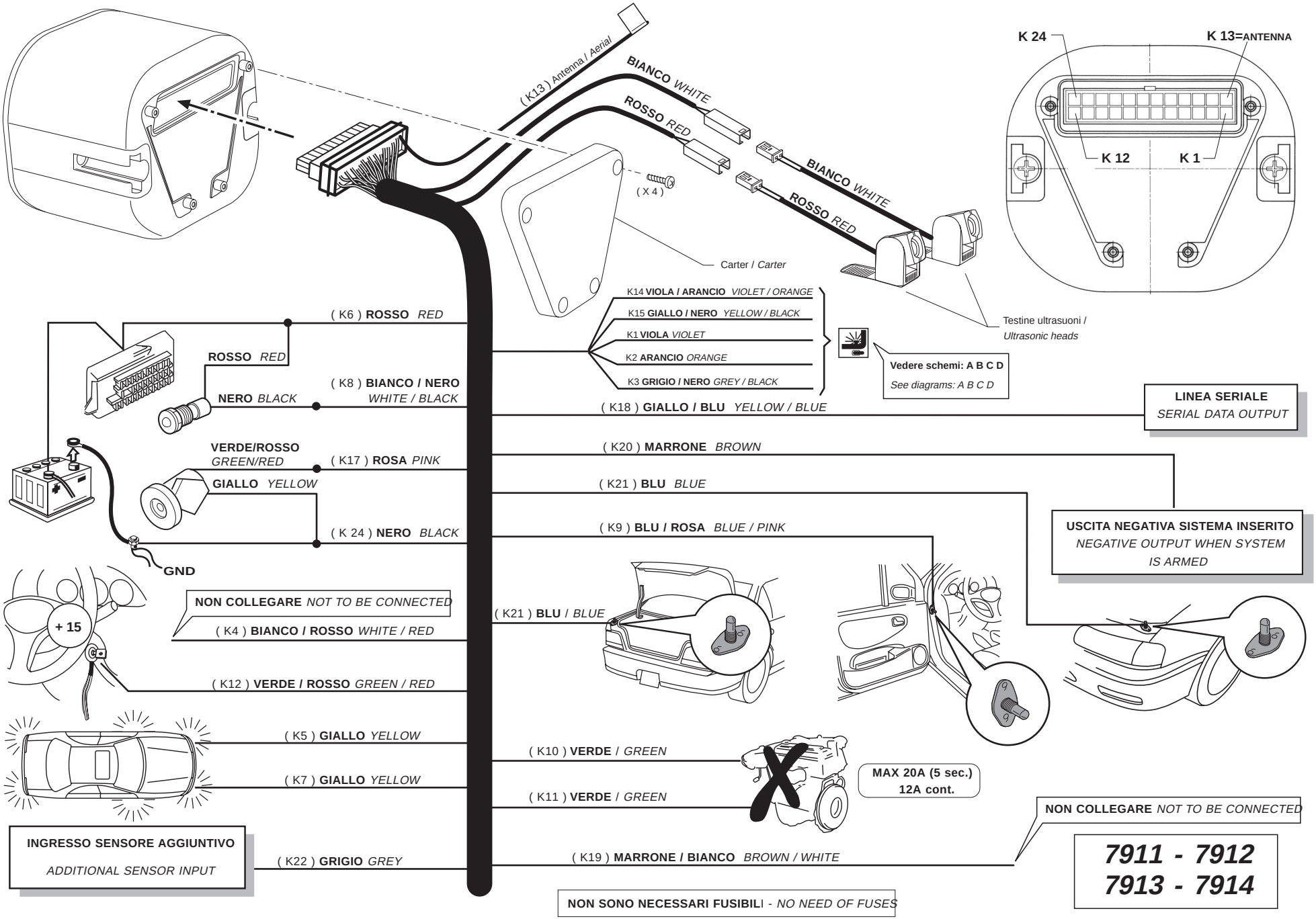
ROSSO RED
(K8) BIANCO / NERO WHITE / BLACK
NERO BLACK
(K18) GIALLO / BLU YELLOW / BLUE
LINEA SERIALE
SERIAL DATA OUTPUT
(K20) MARRONE BROWN
VERDE/ROSSO GREEN/RED
(K17) ROSA PINK
GIALLO YELLOW
(K21) BLU BLUE
(K 24) NERO BLACK
(K9) BLU / ROSA BLUE / PINK
USCITA NEGATIVA SISTEMA INSERITO
NEGATIVE OUTPUT WHEN SYSTEM IS ARMED
GND
Vedere schemi: E - F - G - H
See diagrams: E - F - G - H
+ 15
(K4) BIANCO / ROSSO WHITE / RED
(K21) BLU / BLUE
(K12) VERDE / ROSSO GREEN / RED
(K5) GIALLO YELLOW
(K7) GIALLO YELLOW
(K19) MARRONE / BIANCO BROWN / WHITE
USCITA NEGATIVA VETRI COMFORT
COMFORT NEGATIVE OUTPUT FOR WINDOWS
INGRESSO SENSORE AGGIUNTIVO
ADDITIONAL SENSOR INPUT
(K22) GRIGIO GREY
NON SONO NECESSARI FUSIBILI - NO NEED OF FUSES
7906 - 7907
7908 - 7909


(K13) Antenna / Aerial
BIANCO WHITE
ROSSO RED
BIANCO WHITE
ROSSO RED
(X 4)
Carter / Carter
K 24
K 13=ANTENNA
K 12
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Testine ultrasuoni / Ultrasonic heads
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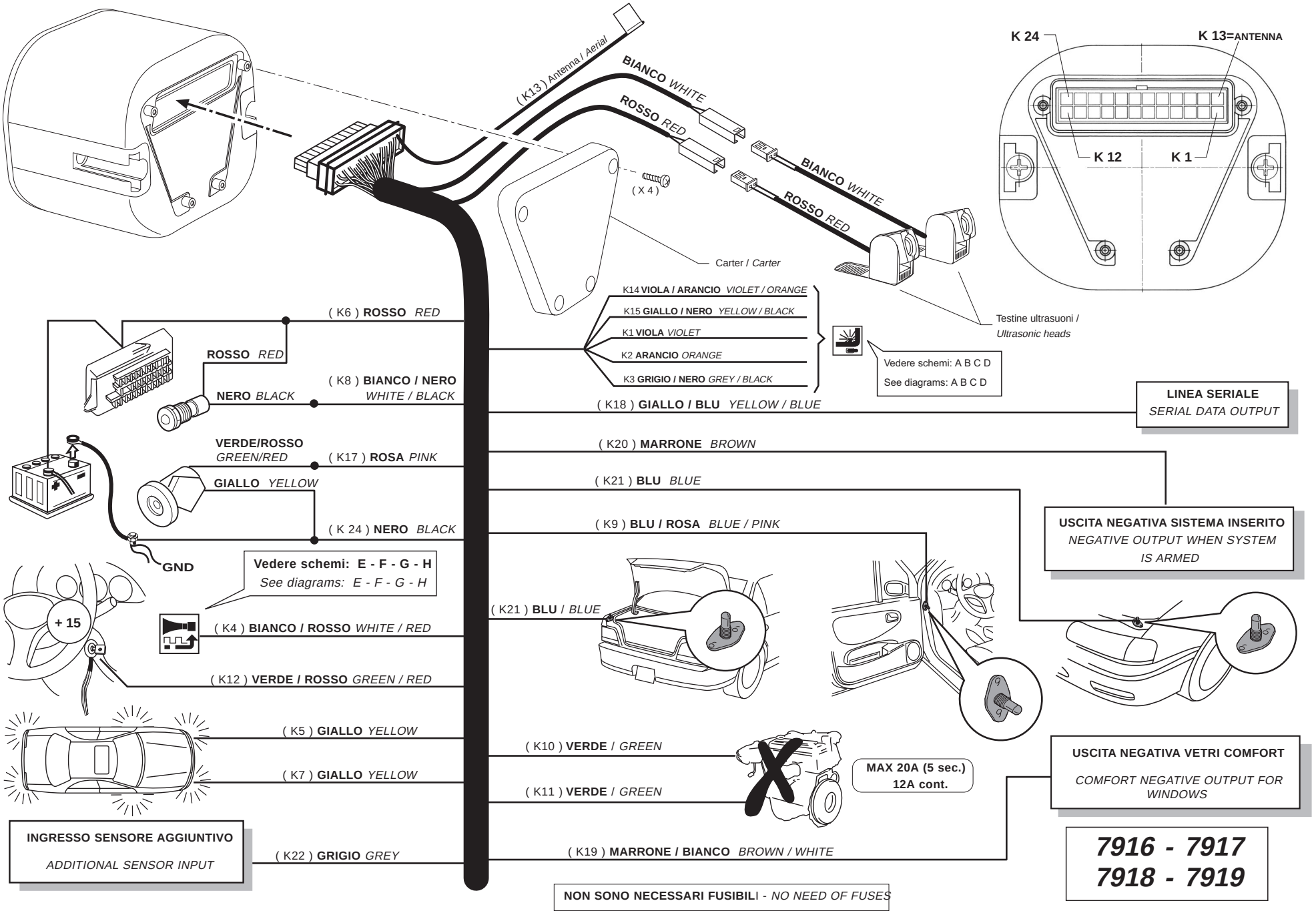
K1 VIOLA VIOLET
K2 ARANCIO ORANGE
K3 GRIGIO / NERO GREY / BLACK
Vedere schemi: A B C D
See diagrams: A B C D
(K6) ROSSO RED
ROSSO RED
(K8) BIANCO / NERO WHITE / BLACK
NERO BLACK
(K18) GIALLO / BLU YELLOW / BLUE
LINEA SERIALE
SERIAL DATA OUTPUT
(K20) MARRONE BROWN
VERDE/ROSSO GREEN/RED
(K17) ROSA PINK
GIALLO YELLOW
(K21) BLU BLUE
(K 24) NERO BLACK
(K9) BLU / ROSA BLUE / PINK
USCITA NEGATIVA SISTEMA INSERITO
NEGATIVE OUTPUT WHEN SYSTEM IS ARMED
GND
+ 15
NON COLLEGARE NOT TO BE CONNECTED
(K4) BIANCO / ROSSO WHITE / RED
(K21) BLU / BLUE
(K12) VERDE / ROSSO GREEN / RED
(K5) GIALLO YELLOW
(K10) VERDE / GREEN
(K7) GIALLO YELLOW
(K11) VERDE / GREEN
MAX 20A (5 sec.)
12A cont.
NON COLLEGARE NOT TO BE CONNECTED
INGRESSO SENSORE AGGIUNTIVO
ADDITIONAL SENSOR INPUT
(K22) GRIGIO GREY
(K19) MARRONE / BIANCO BROWN / WHITE
7911 - 7912
7913 - 7914
NON SONO NECESSARI FUSIBILI - NO NEED OF FUSES

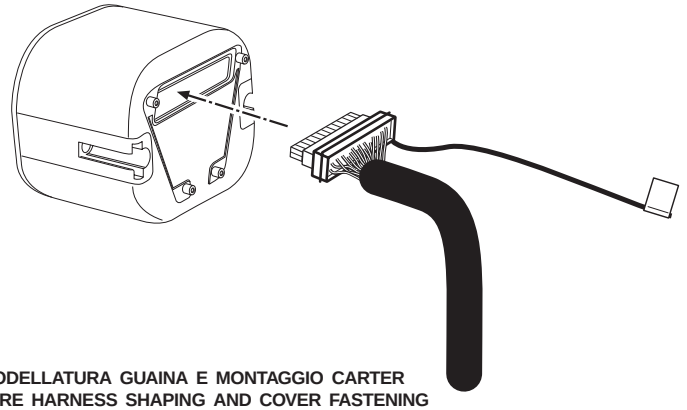

(K13) Antenna / Aerial
BIANCO WHITE
ROSSO RED
BIANCO WHITE
ROSSO RED
(X 4)
Carter / Carter
K 24
K 13=ANTENNA
K 12
K 1
Testine ultrasuoni / Ultrasonic heads
K14 VIOLA / ARANCIO VIOLET / ORANGE
K15 GIALLO / NERO YELLOW / BLACK
K1 VIOLA VIOLET
K2 ARANCIO ORANGE
K3 GRIGIO / NERO GREY / BLACK
Vedere schemi: A B C D
See diagrams: A B C D
(K6) ROSSO RED
ROSSO RED
(K8) BIANCO / NERO WHITE / BLACK
NERO BLACK
(K18) GIALLO / BLU YELLOW / BLUE
LINEA SERIALE
SERIAL DATA OUTPUT
(K20) MARRONE BROWN
VERDE/ROSSO GREEN/RED
(K17) ROSA PINK
GIALLO YELLOW
(K21) BLU BLUE
(K 24) NERO BLACK
(K9) BLU / ROSA BLUE / PINK
USCITA NEGATIVA SISTEMA INSERITO
NEGATIVE OUTPUT WHEN SYSTEM IS ARMED
GND
Vedere schemi: E - F - G - H
See diagrams: E - F - G - H
+ 15
(K4) BIANCO / ROSSO WHITE / RED
(K21) BLU / BLUE
(K12) VERDE / ROSSO GREEN / RED
(K5) GIALLO YELLOW
(K10) VERDE / GREEN
MAX 20A (5 sec.)
12A cont.
USCITA NEGATIVA VETRI COMFORT
COMFORT NEGATIVE OUTPUT FOR WINDOWS
(K7) GIALLO YELLOW
(K11) VERDE / GREEN
INGRESSO SENSORE AGGIUNTIVO
ADDITIONAL SENSOR INPUT
(K22) GRIGIO GREY
(K19) MARRONE / BIANCO BROWN / WHITE
NON SONO NECESSARI FUSIBILI - NO NEED OF FUSES
7916 - 7917
7918 - 7919

MONTAGGIO MECCANICO CARTER - *COVER MECHANICAL ASSEMBLING*

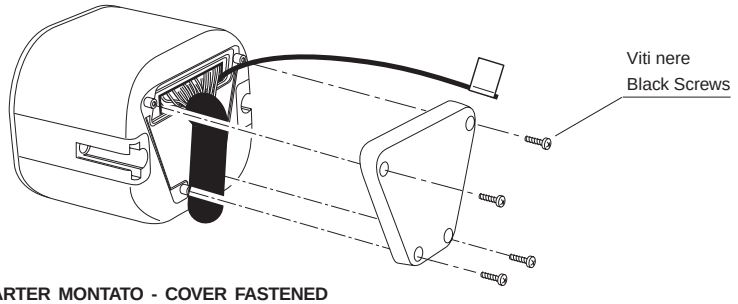
L'impermeabilit di questo allarme Ø garantita da guarnizioni e prodotti sigillanti. Il corpo sirena non deve assolutamente essere aperto. Inserire il connettore e fissare il coperchio con le 4 viti di colore nero per completare la chiusura.

The waterproof degree of this unit is guaranteed by means of gaskets and scaling products. Insert the connector and fix the cover using the 4 black screws supplied in the kit.

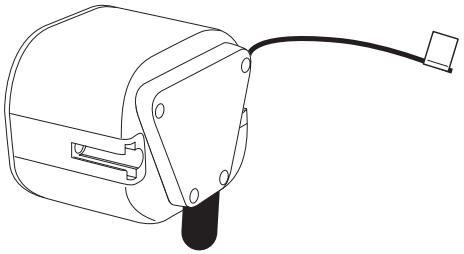
1 **INSERIMENTO CONNETTORE - HOW TO INSERT THE WIRING HARNESS CONNECTOR**



2 **MODELLATURA GUAINA E MONTAGGIO CARTER**
WIRE HARNESS SHAPING AND COVER FASTENING



3 **CARTER MONTATO - COVER FASTENED**

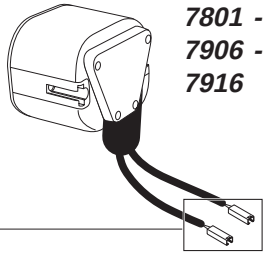


Verificare il corretto accoppiamento delle parti plastiche, prestare attenzione a posizionare cablaggio e antenna come indicato nei disegni.

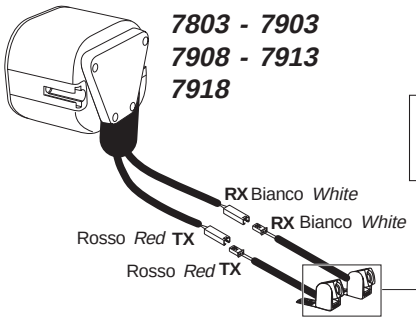
Pay attention in positioning the aerial and wire harness as shown in the drawings

VERSIONE SENZA SENSORI
ALARM WITHOUT SENSORS

I due connettori non sono utilizzati
The two connectors are not used



7801 - 7901
7906 - 7911
7916



7803 - 7903
7908 - 7913
7918

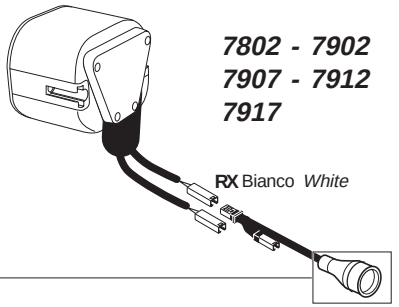
CONNESSIONE TESTINE ULTRASUONI
ULTRASONIC TRANSDUCERS CONNECTION

Testine ultrasuoni
Ultrasonic sensor transducers

RX Bianco *White*
RX Bianco *White*
Rosso *Red* **TX**
Rosso *Red* **TX**

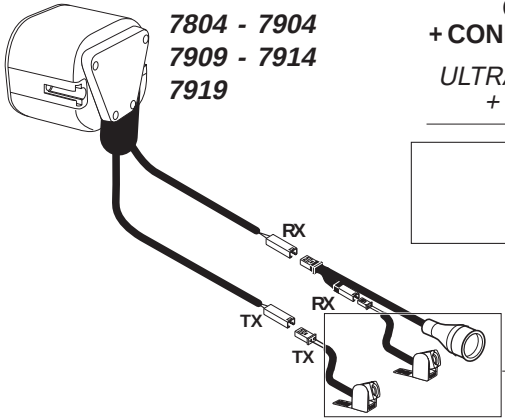
CONNESSIONE SENSORE ROTTURA VETRI
GLASS BREAK SENSOR CONNECTION

Microfono sensore rottura vetri
Glass break sensor microphone



7802 - 7902
7907 - 7912
7917

RX Bianco *White*



7804 - 7904
7909 - 7914
7919

CONNESSIONE TESTINE ULTRASUONI + CONNESSIONE SENSORE ROTTURA VETRI
ULTRASONIC TRANSDUCERS CONNECTION + GLASS BREAK SENSOR CONNECTION

Testine ultrasuoni
Microfono sensore rottura vetri
Ultrasonic sensor transducers
Glass break sensor microphone

RX
RX
TX
TX