

PLACING THE HARNESS

NOTE: the harness must be sheathed. Choose the fixing position for the harness, then locate it, making sure that it won't hinder future maintenance. To ensure a proper and long lasting installation, seal any way in to wiring looms with silicone. Secure the harness with the supplied plastic clamps.

POSITIVE SUPPLY - RED WIRE
This cable supplies the alarm. Connect it via a 3A fuse (fuse box) to a cable that supplies a +12V.

NEGATIVE / GROUND - BLACK WIRE
Connect the black wire to the bodywork via an eyelet fasten screwed on coachwork. Protect this cable with paraffin against oxidation.

UNDER IGNITION KEY POSITIVE - RED/BLACK WIRE
This wire enables the control module to detect the vehicle state (ignited or not ignited engine). Connect the red/black wire to the ignition key block outlet wire + 15V. Check that both during engine ignition and engine running there is a positive +12 Volt.

LED ACCESSORIES CONTROL - BROWN WIRE
This wire controls the LED. black wire. This wire also supplies a max. 2mA negative

BOOT/BONNET SWITCH - BLUE WIRE
This line allows you to connect the original switches of the bag compartment, of the luggage compartment. The switch must be installed on a metal part, if this is not possible, provide a ground to the switch through a cable. Ensure the switch a sufficient clearance, at least 1cm. This because of thermal expansion materials are subject to. After splicing, test the switch with a pilot light or a tester. Connect the switch to the respective harness wire. Note: an incorrectly installed switch may cause false alarms, it may be damaged and it won't protect your vehicle.

CONTROL OUTPUT FOR ALARM INDICATOR LIGHTS
RED-YELLOW through this cable intermittent feed so you need to connect a 12V battery via a cable with sufficient section. Adding a 15 amp fuse. YELLOW-WIRES Connect the yellow wires to the side lights indicators (recognizable either inside the passenger compartment underneath the instrument panel).

CENTRALIZED DOOR LOCKING
ORANGE, VIOLET,
VIOLE-BLACK, VIOLET-GREY, ORANGE-BLACK, ORANGE-GREY, WIRES

Centralized door locking operation research is very important: Make sure that "actuator" is fitted in driverside door. If you can close and open the doors from passenger side it means that actuator is fitted, otherwise you have to install the actuator (see diagram). Just few cars don't have actuator in driver side door, anyway the control wires are usually two and come from driver side door actuator, continuing up to control central unit. Verify polarity simulating closure and opening doors and check the diagrams to the necessary polarity according to the kind of control. Do not forget to fit the fuse. We remind you that orange coloured wire controls opening and violet wire controls closure. On some model (Volkswagen, Audi, Seat, Opel etc...) equipped with comfort system (you can close the windows by closing the doors) it is possible to obtain windows closure by remote control.

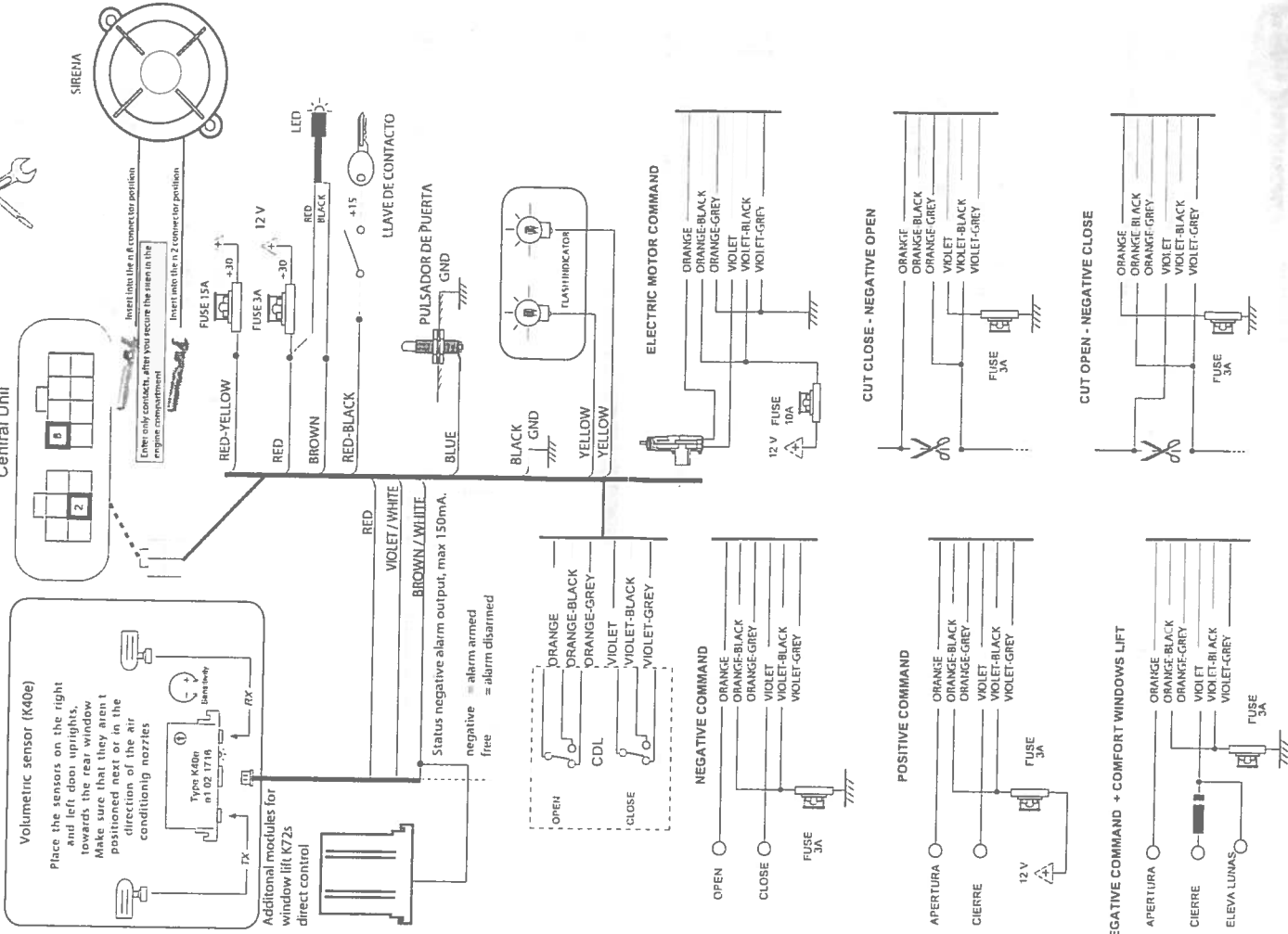
STATUS ALARM OUTPUT - BROWN/WHITE WIRE
This wire supplies a negative when the alarm is armed. It controls satellite modules, radio alarms and electronic sirens, G sensor, Tilt sensor.

POSITION ALARM SIREN
The siren should be installed in the engine compartment, upright, bearing in mind some very important for the proper functioning: Pay attention to the siren away from sources of heat such as exhaust manifolds, turbochargers, etc., away from mechanical parts moving (wipers, alternator, belts and pulleys) and of the high voltage coils. Set closest siren rubber grommets which communicates with the carrier, using the corresponding accompanying accessories, avoiding excessively long wiring. Put the cable connector WHITE / BLACK in KMR400 switchboard. Enter only contacts, after you secure the siren in the engine compartment .

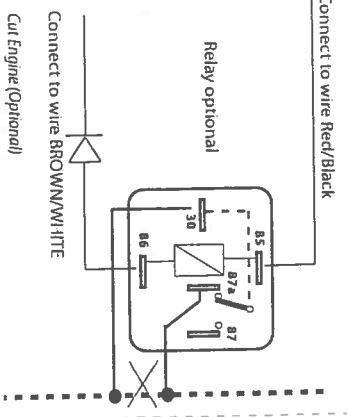
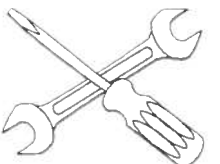
VOLUMETRIC SENSOR CONNECTION K40E, 3-way connector
Directly inserting the connector on the module can be expanded K40S alarm systems, adding a volumetric protection. You have to put the two ultrasonic transducers in the cockpit, on the top of the uprights taking care not to obstruct the movement of the sun visors. Furthermore, to avoid false alarms, ensure that the transducers are not facing vents of air conditioning.

KMR400_all

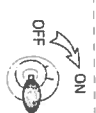
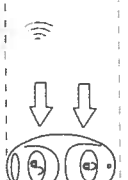
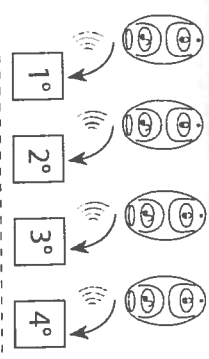
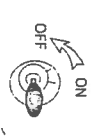
Central Unit



INSTALLER MANUAL




REMOTE CONTROL VEGA PROGRAMMING

- 1 With the alarm off, you have to put the ignition key in the ON position, within 5 seconds after you press at the same time, the two buttons on the radio transmitter memorized. A tone siren and red LED lit indicates the entry into programming. Have 20 seconds to program new transmitters.
 
- 2 Push the two buttons on the remote control to be programmed, a beep indicates the transmitter memorization.
 
- 3 You can program up to 4 remotes Vega. Each tone, indicates the storage of a remote control in the corresponding memory location. Four tones followed, the occupation of the four memory locations. It is advisable not to leave any free memory.
 
- 4 Turn the ignition key to the OFF position.
 

FINAL OPERATIONS, TESTING AND CHECK

After having completed installation, the system should be fully tested.

- Arming by Vega remote control:

Pushing the button  on the remote control (see picture), the system will arm, emitting two sounds of one second each. Indicators will flash for 3 times and the inner LED will turn on, emitting steady light for 30 seconds. This is the inhibition stage, during which sensors and alarm lines become stable. At the end of the inhibition time, the LED will start to flash. LED flashes indicate that the system is now ready to accomplish to its protective function. From now on, any breaking in the protected area (bag opening, engine compartment opening, luggage compartment opening, switch ignition ON, will cause immediate alarm with: high power electronic siren activation (30-second cycle, 5-second pause; repeated max 10 times); Intermittent optical indication by indicators or side lights.

Disarming by Vega remote control:
if you want to disarm the system, just push the button  on your remote control (see picture), the system will be immediately disarmed, indicators will flash and the LED will switch off. A 1-second sound by the siren will confirm disarming.

KMR400_all

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Dear Customer,

Vega Elettronica Italia S.r.l. thanks you for your purchase of a Flex alarm system. This innovative device is born by VEGA alarm systems, very spread and appreciated by the market, thanks to their easy but at the same time innovative operation.


Flex complies with the European standards of security and vehicle compatibility.

POSITIONING THE CONTROL MODULE


The control module must be installed internal of the vehicle. For a proper and trouble free installation, please follow these instructions carefully:

- a) the control module must be installed far from heat sources (such as exhaust manifold), mechanical moving parts (such as, chane, driving belts, pulleys, etc.) and high voltage coils.
- b) secure the control module. Use the metal clamp and the small parts supplied, this is to prevent too long connections.




ARMING

Arming by Vega remote control: pressing the button  on Vega remote control (see picture), the system will arm, emitting two sounds of one second each and closing the doors (if connected). Indicators will flash for 3 times and the inner LED will turn on, emitting steady light for 10 seconds. This is the inhibition stage, during which sensors and alarm lines become stable. At the end of the inhibition time, the LED will start to flash. LED flashes indicate that the system is now ready to accomplish its protective function. From now on, any breaking in the protected area (bag or seat opening, engine starting, luggage compartment opening, shock, Tilt or movement if the Sensors are installed) will cause immediate alarm with: high power electronic siren activation (30-second cycle, 5-second pause; repeated max 10 times); additional output (for radio alarm and satellite alarm activation); intermittent optical indication by indicators.


DISARMING

Disarming by Vega remote control: if you want to disarm the system, just push the button  on your remote control (see picture), the system will be immediately disarmed, indicators will flash and the LED will switch off and opening the doors (if connected). An 1-second sound by the siren will confirm disarming.

ARMING WITH VOLUMETRIC PROTECTION EXCLUSION (only by Vega remote control)

Push the button  and, after indicator flash, push again the button , then push the button  on Vega remote control: the alarm system will arm partially, excluding Volumetric sensor (if installed). An 1-second sound by the siren will confirm the operation.

PROGRAMMING NEW REMOTE CONTROLS

With the alarm armed, turn the ignition key on, hold down both buttons on the programmed Vega remote control until you hear a beep. From now on, 10 seconds are available to program new remote controls. Push simultaneously the two buttons on the remote control  you want to program until you hear a beep. To exit program mode, simply wait some seconds.

NOTE: each remote control that isn't programmed during program mode will be automatically excluded. This is to guarantee safety in case the remote control should be lost.

CAUTIONS

Avoid any contact with liquids, do not wash or immerse the remote control in water. The electronic circuit doesn't need calibration. If range decreases, just replace the battery (mod. Lithium CR2032), unscrewing the two screws on the back of the shell. PAY ATTENTION TO POLARITY, place the battery on the + indication of the metal battery- case. TAKE THE BATTERY OFF using a NON METAL stick (wood stick), insert the new battery avoiding to touch it (from the blister, directly into the remote control). DO NOT USE USED BATTERIES. Do not touch the electronic circuit when replacing the battery.

Particular care should be taken in case you wash the engine compartment. This is to prevent irreparable damages to the inner electronics

MEMORY REPORT BACK

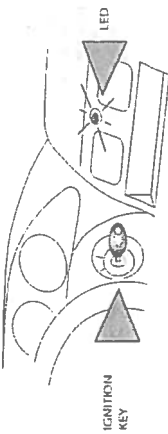
This function allows you to know if the alarm was triggered while armed. After disarming the alarm, turn on the ignition key. The LED will flash indicating how the alarm was last triggered. Count the flashes and refer to the chart below:

Flash numbers:

1 flash = INSTANT LINE

2 flashes = IGNITION KEY SWITCH

4 flashes = VOLUMETRIC SENSOR



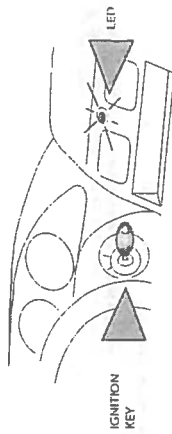
For multiple causes, please consider the flashes sum: e.g. INSTANT LINE + VOLUMETRIC SENSOR --> 1+4=5 (FLASHES)

PIN CODE EMERGENCY RESET

In the case of emergency (remote control loss or malfunctioning) and only if the alarm is armed, you can disarm the system using the PIN-code supplied in the concealed envelope. To do this, you need:

- the ignition key to confirm the PIN-code;

- to pay attention to the LED that shows the digits composing your PIN-code;



The alarm being armed will cause the siren activation. Enter your car, close the door, stay calm and concentrated and follow these instructions carefully:

- the alarm LED is flashing: turn the instrument panel on and make sure the LED switches off. Now you have entered emergency reset procedure.

- keep the concealed envelope at reach, read the first digit (e.g. 5);

- turn the instrument panel off, the LED will start to flash. Count the flashes, at the 5th flash (e.g. 5 flashes) turn the instrument panel on to confirm the first digit.

- read the second digit (e.g. 1), turn the instrument panel off, count the flashes, at the 1st flash (e.g. 1 flash) turn the instrument panel on to confirm the second digit.

- repeat the same procedure for the third and fourth digits.

If your PIN CODE has been correctly confirmed, the alarm system will immediately disarm.



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Made in ITALY

WARRANTY CERTIFICATE

1. **Warranty object**
Vega Elettronica Italia S.r.l. binds itself towards the Customer to service and repair supplied devices during the warranty period.

2. **Execution conditions**

Vega Elettronica Italia S.r.l. agrees to repair the product and replace defective parts at no charge (WARRANTY REPAIR) for a period of 24 months from the date of purchase, excepted what stated hereafter at points 3 and 4.
Repairs will be carried out at Vega Elettronica Italia S.p.A. seat. The product must be returned by the Customer to our factory with shipping charges prepaid, following Vega return procedure available at the number 0332 419640 (by received request).
In case of breakdown, due to non functioning of the product (unusable to Vega Elettronica and noticed by the Customer) within 8 days from the date of installation, Vega Elettronica Italia S.r.l. will replace the defective product with a new one.

3. **Warranty limitations**

This warranty does not cover after sale services and repairs related to breakdowns not imputable to Vega Elettronica Italia S.r.l., that is due to the following causes:
- wrong installation of the devices, due to failure to follow manufacturer's installation instructions provided with the product;
- misuse (different use from the one the device has been designed to);
- fire, flood, water infiltrations or other natural calamities;
- damages resulting from make or attempted repairs done by non expressly authorized people;
- heavy neglect/lack of skill/imprudence of the Customer.

4. **Warranty exclusions**

This warranty does not cover:

- supply of additional or optional products;
- supply of any kind of wear and tear materials (batteries, excessively worn mechanical parts, worn or damaged plastic parts, worn or damaged electric parts, etc.)
- inspection of tampered Devices or of Devices that have been repaired or attempted to be repaired by non authorized people;
- execution of modifications to the Device or to part of it requested by the Customer;
- adding of non compatible lacking accessories and doing up products received in bad conditions.

5. **Intervention**

Vega Elettronica Italia S.r.l. binds itself to carry out the services stated in point 1:
- within four weeks from the date of receipt of the returned material.

6. **Warranty term**

Vega Elettronica Italia S.r.l. warranty duration on its products is the following:

- 24 (twenty-four) months from the date of purchase, validated by the registration of the electronic matriculation number on the bar code. The customer must register the product after 8 days and within thirty days from the date of purchase

7. **General terms and conditions**

Repairs and replacements, included or excluded in this warranty, will be carried out only:
- if the product has been registered via fax at Vega Elettronica Italia S.r.l. fax nr. 0332 419640. The registration must contain installation date and installer or purchase place particulars.

Products returned without requesting these terms and conditions and with no return authorization will not be accepted.

8. **Place of jurisdiction**

Any controversy that can not be settled among the parties, will be transferred to the Court of Varese

Vega Elettronica Italia S.r.l.

CONFORMITY

TYPE **KMR400** approved to Flensburg the 30/12/2008 describe on the CEE homologation with number **e1 A 00 0354 e1 03 1510**

Product identification on the Bar Code

Build from: Vega Elettronica Italia S.r.l. ITALIA

INSTALLATION CERTIFICATE

VEHICLE DESCRIPTION

Brand: _____ date: _____

Fitting to: _____

Serial number (barcode-alarm): _____

Registration number: _____

The undersigned installer certifies to have personally installed the hereunder described alarm system, in compliance with the manufacturer instructions.

Brand: VEGA

Type: KMR400

INSTALLER ADDRESS (OR STAMP)
and SIGNATURE



USER MANUAL

KMR400_all

e1 A 00 0354 e1 03 1510



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Flex complies with the European standards of security and vehicle compatibility,

(KMR400_all) MAIN FEATURES:

- * **Hopping Code Remote Control;**
- * **Self-programming system (DIGITAL RECORDER) for Vega remote controls;**
- * **Protection (bootbonnet);**
- * **Volumetric Ultrasonic sensor (adjustable);**
- * **High Power piezo siren;**
- * **Output for additional modules control (window lift);**
- * **Cut out Volumetric Ultrasonic sensor via Remote Control (in the boat-transport)**
- * **Additional alarm output ;**
- * **Arming/Disarming acoustic indication;**
- * **Arming/Disarming and Alarm optical indication;**
- * **Selective alarm memory by L.E.D.;**
- * **PIN-code Emergency Reset;**

