

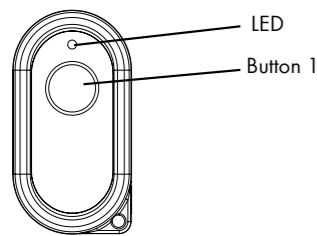


WARNING: Carefully read following instructions and technical specifications in this manual before installation. The system install and use in agreement with this manual only. The system is assigned for installation to all vehicles with 12V power supply. The system has to be connected on 12V and to ground. Producer neither seller of the system are not responsible for damages caused by incorrect installation, using or operating of this product different to install or user's manual. Unprofessional operation to the system or modification of the system can damage system or electrical system of vehicle and cause warranty loss. For correct work of this system we commend installation in the professional service.

SYSTEM DESCRIPTION

KEETEC CZ SMART is the central locking control unit with contactless opening designed for all types of motor vehicles with a 12V supply voltage. The control unit works with any central locking control with the possibility of opening the luggage compartment. Communication between the control unit and remote control is protected by floating codes. The control unit contains a sequence directional light output, which allows direct connection of the emergency stop switch.

I. DESCRIPTION OF REMOTE CONTROL



BUTTON	FUNCTION	CONDITIONS
1	Lock / unlock of central lock	unlock / lock of vehicle
1 on 2sec.	open of trunk	always

LOCK

- Press the 1 button on the remote control at the ignition lock with central locking and directional lights flash 1
- Press the service button on the ignition locks with central locking. Press the service button 1 when the ignition is locked central locking
- Until the opening allowed noncontact, central locking with locks and directional lights will flash 1 until 20 seconds during remote control is not within range of the receiver.

UNLOCK

- Until the opening allowed noncontact, central locking with locks and directional lights will flash 1 until 20 seconds during remote control is not within range of the receiver
 - Press the service button on the ignition to unlock the central locking. Press 1 when the ignition is locked central locking
- Note:** until it was closed central locking remote control, can not be unlocked using the service button
- If enabled contactless opening, central locking is unlocked and directional lights will flash 2, if the remote control is within range of the receiver.

Opening luggage compartment

Whenever you hold the 1 button on the remote control for 2 seconds, activates the output for the opening of the boot. Directional lights flash 3 times.

Low battery indicator on the remote control

Low battery in the remote control is indicated by 2 LED flash quickly on the remote control within two seconds.

On / off proximity opening the central locking

3x quickly press the button on the remote control and then hold for 2 seconds. LED on the remote blinks slowly 1x, hands-free operation is enabled. If you blink slowly 2x, touchless control is turned off.

SETTING DISTANCE NON-CONTACT OPEN (FACTORY SETTING LEVEL # 2)

The system allows you to set three levels of open contactless distance:

- Level I - distance of 8 - 13 m
- Level II - distance of 10 - 20 m
- Level III - distance of 20 - 30 m

The degree of power transmission and antenna can be arbitrarily set according to user requirements

Settings: : 2x quickly press the button on the remote control and then hold for 2 seconds. LED blinks on the remote control 1.2 or 3 according to the set level. Setting to always move up a level. After the third stage is again returning to the first.

II. MOUNTING SYSTEM

Remove the plastic covers the dashboard of the vehicle. Find the wires that control central locking, located on the control unit. For some types of vehicles to be powered directly by the central locking the door of the car. The testing functions in the vehicle wiring, use only digital altimeter, and even if you know what function the wire serves. After determining the wires, disconnect the battery and connect the wiring harness designed for central locking wires for proper functioning, according to the attached diagrams. All connections soldered and insulated. After installing central locking plug from the car battery and insert the fuse into the fuse housing from the central locking. Protest the proper functioning of the central locking and electric vehicles performance (ignition, directional lights, ..) Install the plastic covers of the dashboard.

The location of the control unit

Place the control unit from inside the protective plastic dashboard. Attach the antenna control unit so that it does not touch the metal parts of the vehicle.

CN1 CONNECTOR (4-PIN) - CONNECTOR INPUTS AND OUTPUTS

Wires connect control central locking central locking system according to the type used in the vehicle and according to the connection diagrams of the central locking.

White / Blue (+ / - 300 mA) sequential optical output signal (output wire)

Sequential output switches to connect the warning indicators. Output is active when the lock / unlock the central locking. When using this output is no longer necessary to engage the power outputs of directional light.

Yellow (+) ignition +12 V (input wire)

Purple open the trunk (output wire)

Black (-) frame points (input wire)

Purple open the luggage compartment (input wire). What you bring to the polarity of this input, such will be the output wire opening the luggage compartment.

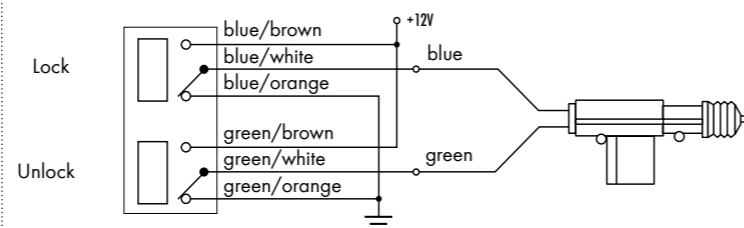
Blue/black (+) Control the direction indicators (input wire). This wire is connected in the event that the optical signal using a sequential output.

Orange (+) power output of the directional light (output wire). The outputs are separated rectifier diodes.

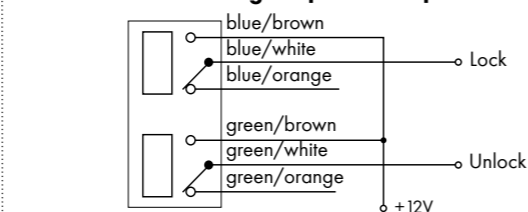
Red (+) power +12 V (input wire)

III. CONNECT CENTRAL LOCKING

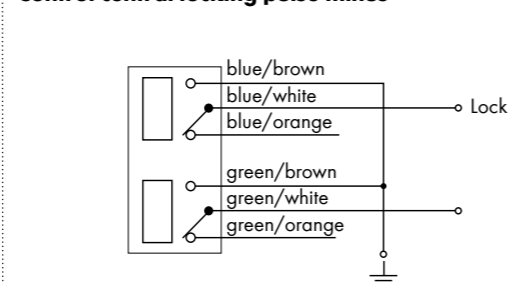
Direct control of motors



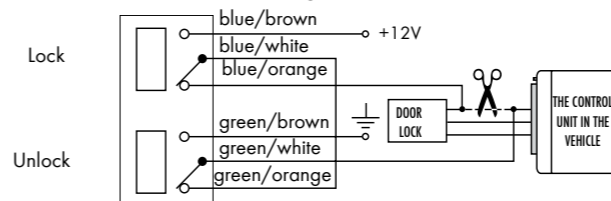
Control central locking the positive impulse



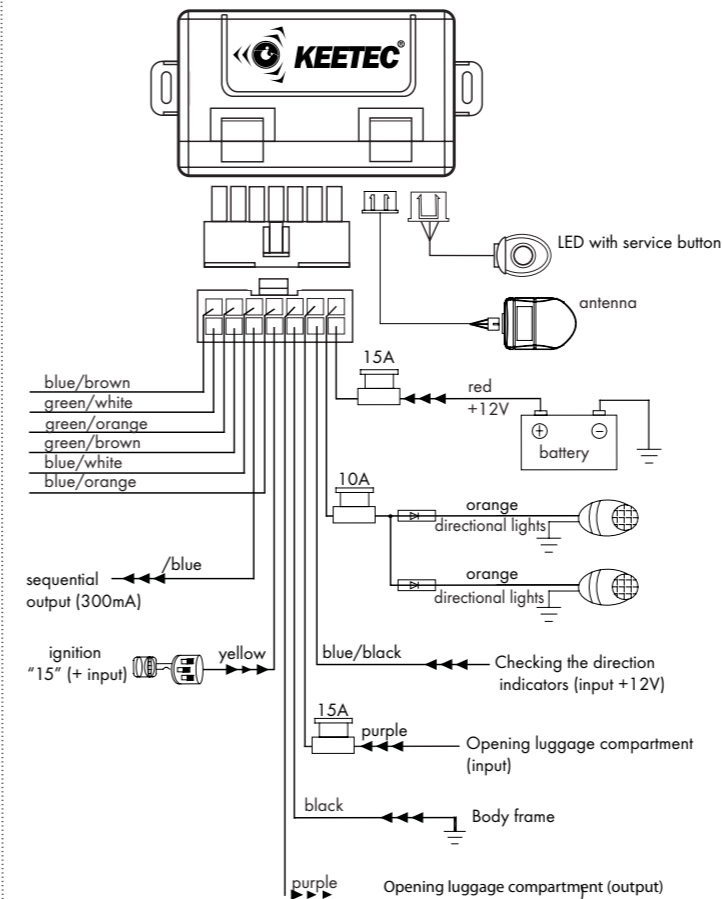
Control central locking pulse minus



Connect pneumatic central locking



IV. WIRING



V. PROGRAMMING THE REMOTE CONTROL

- Turn on the ignition, press the button 5 times and turn off the ignition
- LED starts to flash after confirming entry into the programming mode
- Press the button on the remote control within 10 seconds
- Programming the remote control is confirmed by flashing directional lights (1 x remote control 1, 2 x remote control 2)
- Programming stops automatically 10 seconds after the last program the remote control or turn off the ignition.

Attention: : When programming a new remote control must be programmed remotes already programmed in the system!

Note: The system can be programmed up to 3 or 6 remote control (see Menu F3)

VI. PROGRAMMING THE SYSTEM FUNCTIONS

- Turn on the ignition and press the button 7 times in 10 seconds
- Turn off the ignition. LED flashes 3 times to confirm entry into the programming system functions
- Press the service button so many times, what is the function number you want to program. Each time the LED flashes 1x. As long as the serial number of the function 10, press the service button for 3 seconds. LED flashes 2x, thereby confirming that you are programming in order to function with 10. As long as the serial number function 20, press the service button for 3 seconds. LED flashes 2 times. Again, press the service button for 3 seconds. LED flashes 2 by confirming that you are in programming functions with serial number 20
- After entering the function you want to set, turn on the ignition. Directional lights flash 1 or 2, depending on how the feature set. Turn off the ignition. If you want to continue setting function, follow from point 2.
- If you want to put an end programming, turn on the ignition, press the service button and turn off the ignition. The system exits programming.

Programming Table

program. menu	function	option (1 flashes)	option (2 flashes)
F1	Locking Central locking the ignition	Allowed	prohibited
F3	Number of remotes	6	3
F4	The polarity of the output sequence	(-)	(+)
F5	optical signaling	normal	sequential
F6	Length of unlock pulse	0,5 sec.	3,5 sec.
F7	Length of the lock pulse	ako odm.	20 sec.
F8	Double lock pulse	prohibited	Allowed
F9	Double pulse unlock	prohibited	Allowed
F10	Locking / unlocking using the service when the ignition key	Allowed	prohibited
F20	RESET		

VII. DESCRIPTION OF FUNCTION

F1. Locking Central locking with ignition

Default: the ignition lock with central locking

Adjustable: after ignition, central locking does not lock

F3. Number of remotes

Default: The system can be programmed remotes 6pcs

Adjustable: The system can be programmed remotes 3pcs

F4. The polarity of the output sequence

Default: Sequential output has negative polarity (-300mA)

Selectable: sequential output has positive polarity (+300 mA)

F5. Optical signaling

Default: : normal - when the optical signal as normal, the only active power output to the indicator lights (orange wire)

Selectable: sequential - when the optical signal as a sequence, is active only sequential output indicator lights (white / blue wire)

Note: they are never active at the same force and sequential output indicator lights

F6. Unlock pulse length

Default: Length unlock pulse is 0.5 seconds.

Adjustable: unlock pulse length is 3.5 seconds

F7. Length of the lock pulse

Preset: pulse length is the length of the pulse unlock

Adjustable: lock pulse length is 20 seconds (can be used to tighten electrically operated windows extend lock pulse)

F8. Double lock pulse

Default: double lock pulse is turned off

Adjustable: double lock pulse is switched

F9. Double pulse unlock

Default: double unlock pulse is turned off

Adjustable: double unlock pulse is switched

F10. Locking / unlocking using the service when the ignition key

Default: enabled. With the ignition by pressing the service button lock / unlock the central locking

Note: If the function F1 banned and lock the vehicle using the service key in the ignition, after shutting down the central locking will remain locked and flashing LED.

Adjustable: prohibited

SPECIFICATIONS	
Voltage	12V +/- 25%
Operating temperature	-30°C - 70°C
Consumption	7,5mA
Level I	5 - 10m
Level II	10 - 20m
Level III	20 - 30m
Frequency of transmission	2,4 GHz

Note: The device CZ SMART remote control operating in the 2.4 GHz band. Declaration of conformity of product to request a remote control with your dealer.