Система удаленного контроля

CL-306

Руководство по эксплуатации

JABLOTRON
CREATING ALARMS

The CL-306 Click central locking kit

The CL-306 Click is a system for the remote control of car central locking. It is designed for installation inside a car having a voltage supply with a negative ground. The kit contains two RC-4x remote controls which communicate via a secure floating code protocol. Every time a transmission is performed, the code is modified on both the transmitter and receiver sides, thus ensuring a high level of communication security. One receiver can be configured to work with up to four remote controls.

The CL-306 Click has an optional re-lock (REARM) feature and is protected against accidental unlocking while driving. It also allows you to control the car's boot release via a programmable PGM output. In addition, you can use the device as a simple car alarm.

Wiring

SIR (yellow) – siren output, switches to ground, max. 1.2 A. This output can be used to indicate car locking or unlocking acoustically. If applied, the siren will sound with a single beep after locking and with two beeps after unlocking. In addition, this output can be used for alarm signalling when in ALARM mode.

PGM (blue-white) – the output can be put into two modes (IMO and BOOT). Maximum load is 300 mA.

An RA-12/30A relay is recommended when using the output for actuator operation.

PGM modes are defined according to parameter 7 (see the table below)

- IMO – when the car is unlocked, the ignition key status will be copied – operation is performed via an immobilization relay.

- BOOT – locking/unlocking the car is performed via the 🔒 button on the remote control. Pressing 🔓 will switch the PGM output for 0.5 seconds. This allows you to operate the car boot release.

LCK_IN (brown) – provides input information about the position of door locks.

ULK_IN (white) – provides input information about the position of door locks.

DOOR (grey) – door contact connection input. It is monitored as an alarm input. Simultaneously, it provides the re-lock function.

KEY (blue) – signals that the ignition key is on. This input reacts to a connection to +12V.

BLR, BLL (violet) – outputs for confirmation of the car being locked/unlocked using turn lights (flashers). They switch to +12V, output current is 2 times 5A.

+12V (red) – connects to the positive power supply.

GND (black) – connects to ground.

LNO, LNC, LC (red, black, green-yellow) – locking-power-relay outputs for actuator operation.

UNO, UNC, UC (red, black, blue-yellow) – unlocking-power-relay outputs for actuator operation.

Installation

We recommend the installation to be undertaken by an authorized installer. The manufacturer cannot be held responsible for any damage or consequences related to the improper or incorrect use of this product.

First install the electromechanical actuators in the doors. Actuators with five wires are for the front doors. Actuators with two wires are for the rear doors. Avoid locations where water is likely to accumulate. The actuators must be installed so that the actuator's movement axis is the same as the movement axis of the moving door lock. Check by hand that the locks move easily and smoothly.

Before you install the control unit, disconnect the car battery. Keep in mind that if your car has some memory functions built in (radio, clock), then these may be erased if you disconnect the battery. For airbag-equipped cars, no person is allowed to stay inside the car while handling the battery.

Install the control unit in the passenger compartment. The recommended location is under the dashboard. Make sure that no cables are damaged by opening or closing a door during the wiring. Fix wires thoroughly to the original cabling (this is facilitated by cables being equipped with connectors on their ends).

Enrolling remote controllers

The control unit is capable of communication with up to four RC-4x remote controls. By enrolling the first remote control all other remote controls previously enrolled will be erased. Thus all remote controls intended for use should be enrolled in a single enrollment session as follows:

- Unlock the car and disconnect (remove) the power supply fuse.
- Wait for 1 minute and then turn the **ignition key on**. Re-connect (re-insert) the fuse.
- Within 30 seconds turn the ignition key on and off 3 times. The turn lights will respond with a long flash.
- Press a button on the remote control: Either one of the pair 🔒, 🔓 or of the pair ●, ○, according to which remote control you want to use. A flash from the turn lights will confirm enrollment.
- Pressing an arbitrary button allows you to enroll all remote controls intended for use, one by one.
- Exit enrollment by turning the ignition off (enrollment mode terminates automatically after 120 seconds anyway). Enrollment termination will be confirmed by the turn lights with a long flash.

Programming

The CL-306 Click is equipped with 8 programmable functions. They are described in the table below. You can do the programming as follows:

- Unlock the car, turn the **ignition key off** and disconnect the power supply (remove the fuse).
- Wait for 1 minute, then re-connect (re-insert) the fuse.
- Within 30 seconds turn the ignition key on and off 5 times. A single flash from the turn lights indicates programming mode entry.
- Programming always starts with programming parameter 1. The status of the current parameter is indicated by the turn lights (lit or unlit). A parameter can be changed by pressing the button on the enrolled remote control.
- To scroll to the next parameter, briefly switch the ignition key on and off. The parameter number is indicated by the number of turn light flashes (see the below table for a list)
- To exit programming mode, go through all the parameters and turn the ignition on and off – it is confirmed by a long flash from the turn lights (programming mode terminates automatically after 120 seconds anyway).

Operation

The car central locking can be operated via a remote control or using a key in a front door lock. In the factory default setting (PGM output set to IMO mode) button 🔒 on the remote control is used to lock the car and button 🔓 to unlock the car. If the PGM output is set to BOOT mode, then the 🔒 button is used for both locking and unlocking. When pressing the 🔓 button, a 0.5 sec signal is generated to open the boot. However, if alarm mode is used, then this function is disabled for the time the car is locked.

Alarm function

The CL-306 Click remote control can be used as a simple car alarm. When the car is locked and the ALARM parameter is set to **YES**, the DOOR and KEY inputs are monitored, starting 30 seconds after locking the car. If these inputs are then activated, an instant alarm will be triggered (the SIR output will be activated for 30s and the turn lights will flash for 1 min). This means that unlocking the car by key will trigger an alarm. To stop the alarm it is necessary to unlock the car remotely. If there had been an intruder alarm during the time when the car was locked, three siren chirps will be heard and the turn lights will flash during unlocking.

Maintenance

The electronics of the remote control does not need any special maintenance. Check if the locks can be operated easily by hand every three months. Lubricate the locks before and after each winter season to prevent possible damage.

If a good quality battery is used in the remote control then the expected lifetime of the battery is about one year. The battery should be replaced whenever the distance from your car at which the locking system can be operated starts to decrease. A suitable replacement battery is BAT-6.

Specifications:

Power supply	*9 - 15 V*
Stand-by consumption	*6 mA*
Max. consumption	*16 A*
Operational temperature	*-40 to +85 °C*
Housing	*IP40*

Programming instructions:

Parameter	Function	Turn lights		Description
		Unlit	Lit	
1.	Central locking	**ELEC**	PNEU	Do not modify the factory default setting.
2.	WIND	**No**	Yes	Do not modify the factory default setting.
3.	DLCK	**No**	Yes	Do not modify the factory default setting.
4.	DUNL	**No**	Yes	Do not modify the factory default setting.
5.	REARM	**No**	Yes	If none of the doors is open and the ignition key is not turned on within 1 minute after unlocking, the car will be automatically re-locked.
6.	CHIRP	No	**Yes**	Locking/unlocking indicated by the SIR output.
7.	PGM	**IMO**	BOOT	PGM output modes
8.	ALARM	**No**	Yes	Disables/enables alarm function.

Modification of parameters 1 – 4 can result in damaging the actuators!!!

Wiring diagram:

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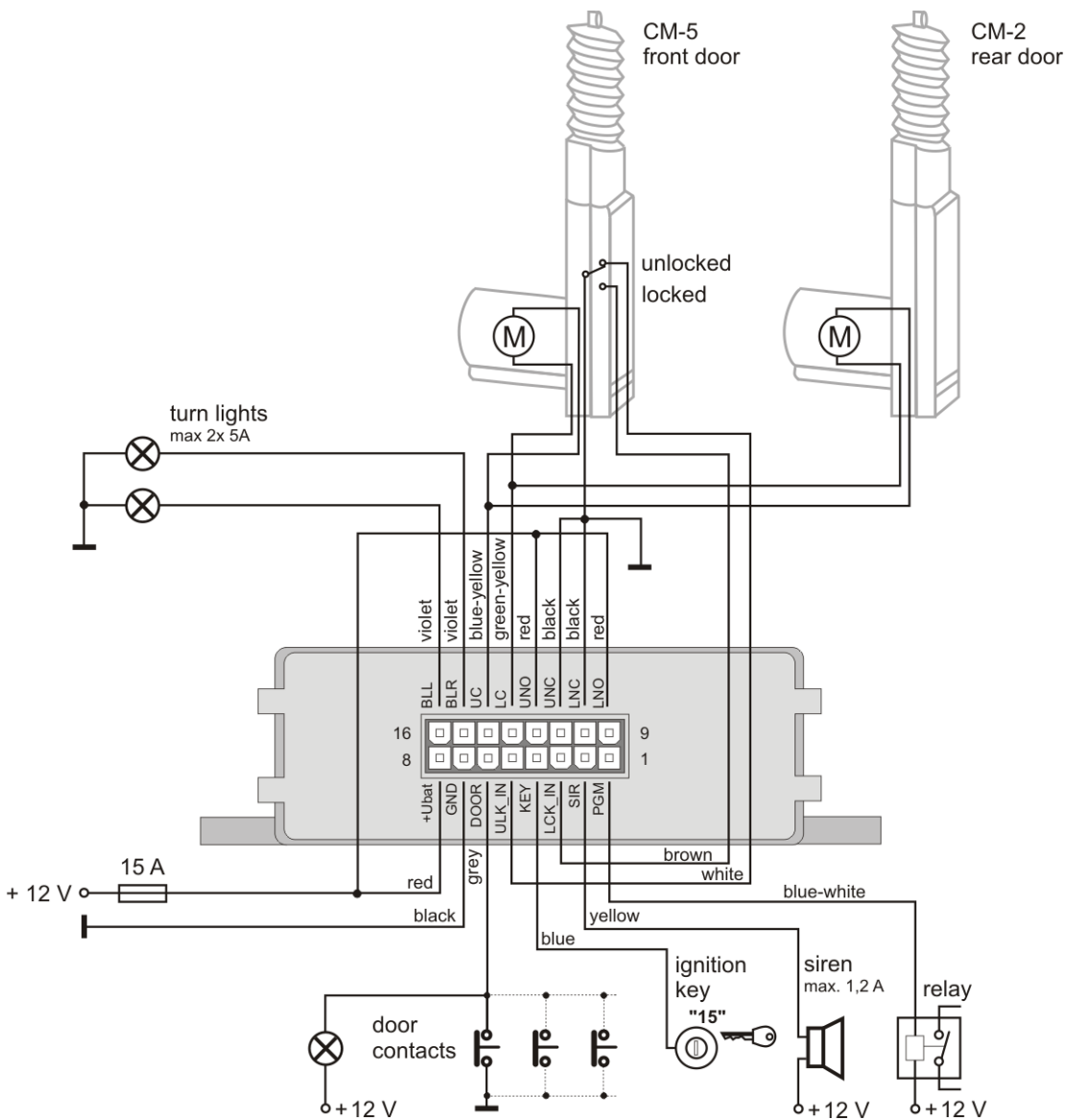
По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
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Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
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Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Единый адрес для всех регионов: jnb@nt-rt.ru || www.jablotron.nt-rt.ru