CA-345 Car alarm with local signaling and immobilizer

The CA-345 car alarm is designed for installation in a car interior with a vehicle voltage of 12 as well as 24 V and a grounded negative pole. It is protected from polarity reversal, the activation inputs are protected from short-circuiting and voltage supply.

- Declaration of conformity - CA-345 (PDF 315.18 kB)

Description

Overview of car alarm functions

- **Integrated CAN bus converter.** Vehicle status information (unlocking and locking the vehicle with the original R.C. (remote control), turning on the ignition key, opening the door, bonnet, boot) can be obtained through the CAN bus connection without any impact on its communication.
- An **integrated shock detector** has adjustable sensitivity using a trimmer inside the unit. Its triggering can result in an alert (1s siren sound), trigger an alarm or both. If the alarm function is activated, a filter eliminating incidental shocks (e.g. a heavy vehicle passing by ...) is applied. An alarm is only triggered if the first shock is followed by another one within 15 seconds. If both the alert and alarm function are activated, the alarm responds to the first shock with a short sound and after the second shock (within 15 s), an alarm is triggered.
- A **voltage drop sensor** detects whether, with the alarm being armed, a device in the car has not been switched on (protection e.g. against mechanical unlocking of the central locking), which results in an abrupt voltage drop. The sensor is blocked for 20 minutes after arming (enables a rundown of the engine cooling fan). It can be deactivated using the software (parameter 8) if independent devices are used in the car (heating, fridge).
- The alarm is equipped with several **alarm inputs** the number of which depends on the alarm wiring method, see below.
- Up to **12 wireless detectors** of the JABLOTRON 100+ serie can be enrolled to the car alarm. They can monitor movement in the car, the breaking of a window as well as the space of the garage where the vehicle is parked.
- A **programmable output** can switch the power supply for supplementary detectors (microwave, tilt detector) that are active when the alarm is armed, or it provides a signal for the control of the CR-11A and MCB-02 (AUX) modules.
- The blocking relay circuit can be used to disconnect e.g. the car starter, fuel pump or ignition circuit. With the **AUTOIMO** function on, the car cannot be started if the ignition key has been off for more than 5 minutes. The function is unblocked using a remote control button.
- In the case of an **alarm**, the output of the siren is activated for 30 s. If the alarm is resolved in a correct way, the sounding of the siren will stop immediately.
- If the car is handed over to a **repair shop**, the AUTOIMO function and the acoustic indication can be easily temporarily switched off.
- **Optical indication** of arming, disarming and an alarm. The car alarm can control the direction indicators of the vehicle in three selectable modes.
- **Opening the boot**. In the disarmed state, the car boot can be opened remotely if its mechanical system makes its possible (the BLK output function must be set to boot control).
- **PANIC** is a function of sounding the siren using the remote control both in the armed and disarmed state (by simultaneously pressing both the buttons). It can be used to quickly find the car in a car park. This function is selectable with parameter 17 (PANIC).
- For **emergency disarming**, the alarm is equipped with a Valet button. It is also used to set optional parameters.
- Information about the operational statuses is indicated with an **LED**.
- **Car alarm settings and parameters** can be adjusted easily with the use of the CA-340PRG wireless device connected to a PC.

Technical specifications

Power supply	12/24 V (9 – 32) V DC
Idle current consumption	max. 20 mA
Operating frequency	1 RF channel, GFSK, 868.1 MHz
RC receiver	868.1 MHz, GFSK, ERP <25 mW
Operating temperature range	-40 °C to 85 °C
Alarm duration	30 sec
Current carrying capacity of the blocking relay	8 A continuous, 12 A intermittent
Current carrying capacity of the BLK output	200 mA
Current carrying capacity of the PGM output	25 mA
Current carrying capacity of the ULK/LCK outputs	200 mA
Ingress protection class (according EN 60529)	IP40
Dimensions	118 x 80 x 35 mm
Complies with the regulation	ECE No. 116
Electrical safety	EN 62368-1
EMC	ECE No. 116, ETSI EN 301 489-1, -3, -7
Radio parameters	ETSI EN 300 220-1, -2
Operation conditions, general authorization	ECC/DEC/(04)06, ERC/DEC/(97)02, ECC/DEC/(06)01; ERC/REC 70-03