



CarSec

You are your identity

- Biometric fingerprint identification.
- Embedded light and sound indication.
- Stand-alone system.
- Access control, incl. in activity regime of the vehicle.
- One master fingerprint plus nine user fingerprints.
- Service mode.
- IDLE mode.



BIODIT

GLOBAL IDENTITY SOLUTIONS

ENG

MAIN CHARACTERISTICS

CarSec was specially developed for the automobile industry and it is a combination of innovative solutions and a unique technology. CarSec provide the highest possible technology for vehicle protection ever have been inventing.

The security against theft of your vehicle is being realized by the both – identification and authentication through fingerprint recognition. The system protects the vehicle by interlocks that prevent the engine starting until the fingerprint is not duly entries /submitted to the CarSec system/. In system memory can be stored 1 MASTER and 9 USER fingerprints. The embedded LED and audible indications indicate the system status in case of fingerprint identification and help for programming of various functions. To change the parameters of the system are not required any additional devices such as computers or keyboards – the only necessary thing is to follow the instructions and enter into the fingerprints system.

For customers convenient in the system is built-in the function Service Mode in which mode the user can suspend the system functionalities /interlocks/, if necessary the vehicle to be left for servicing or any other purpose. Aiming to achieve maximum electrical efficiency, when the vehicle is not working, CarSec enters in passive regime and does not charge the vehicle battery. To protect the vehicle, the system is activated when the ignition is done and requires correct fingerprint to be able to drop locks.

TECHNICAL FEATURES

SYSTEM SPECIFICATION

- Operating voltage – 12 V.
- IDLE mode current – 0mA. / Operating mode current – 20mA.
- Memory – 1 MASTER and 9 USER fingerprints.
- Audible indication.
- LED indication.
- DB-9 port – for connection with programmer.
- VGA port – for sensor communication.
- Weight – 600gr.

SENSOR

- Hard and scratch resistant protective surface coating.
- Superior image quality.
- Ergonomic frame for optimized finger guidance.
- High speed SPI interface.
- 3.3 and 2.5 volt operation.
- Extended ESD range 30kV protection.
- >10 million finger placements.
- Active sensing area – 10,64 x 14,00 mm.
- Resolution – 363 dpi.
- 3D image with 256 true gray scale values.
- Working temperature: – 20 °C to + 60 °C.
- Authentication times: less than 1 second.

MATERIALS

- Main controller Casing – Metal (S235JR).
- Sensor Casing – Carbon fiber.

INTERFACE

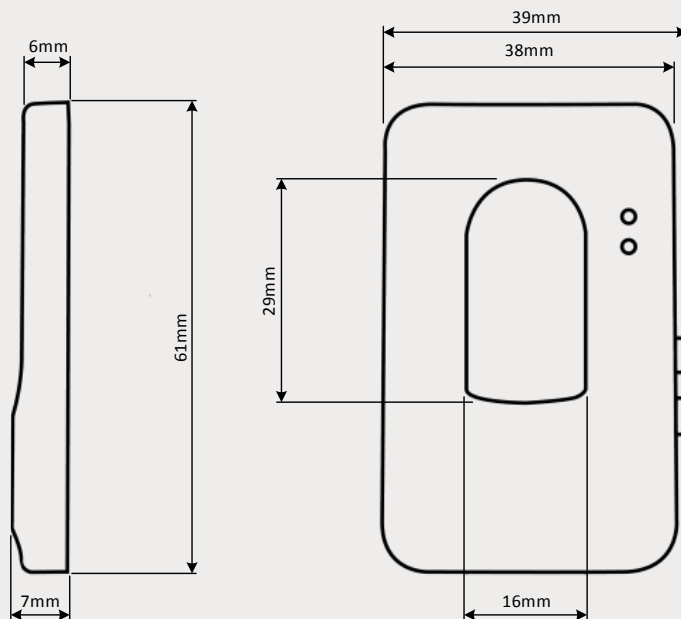
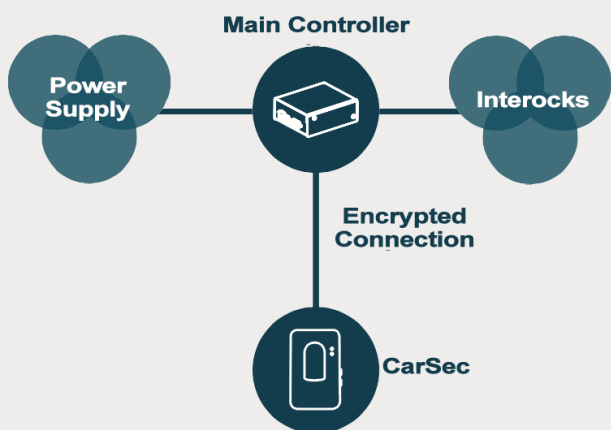
- Power supply connector – AC/DC 12V.
- Relay output – normal open / normal close contact.
- COM port – for connection with programmer.
- VGA port – for sensor communication.

COMMUNICATION

- Type – Flat Cable.
- Number of pins – 14.
- Pitch – 1.27mm.
- Cable length – 1,50m.
- Cable width – 17.78mm.

TOPOLOGY

PLANIMETRY



Certification: **CE**

Biodit CarSec (v.1.1)

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