Driver identification Keypad

EC-19521

Introduction

The ***EC-19521 keypad*** is used for Driver ID input within the scope of the driver authentication feature of the tracking unit. This method is more flexible than the IButton key option as the driver no longer needs to carry the IButton key and it prevents problems caused by the loss of IButton keys.

The user enters a Driver ID of up to 12 digits and then presses the star (*) key. The keypad transfers the Driver ID to the tracking unit, via the IButton interface. The tracking unit activates the Driver Authentication process, sends a driver ID message to the control center and / or deactivates the vehicle immobilizer according to the feature's programmable parameters.

Compatibility

The ***EC-19521 Keypad*** supports tracking devices that are supporting 1-wire protocols. Amongst them are: Teltonika, Ruptela, Queclink, Digital Matter.

Main Capabilities

The ***EC-19521 keypad*** supports the following main capabilities:

- Driver ID of up to 14 digits in length (0-9 followed by star (*)).
- Background light allows convenient operation at night.
- Audible indication for dialing process.
- Visual and vocal indication when the Driver ID is transmitted.
- Transmits the Driver ID to the tracking unit via 1-Wire® iButton operation.
- Average minimum power consumption.

The keypad Interfaces

The following table presents the ***EC-19521 keypad*** interfaces. For each interface the wire, functionality and recommended connection is described.

Wire Name	Wire Color	Interface	Functionality	Connection
Power	Yellow		Powering the keyboard	Vehicle power supply
Ground	Brown		Powering the keyboard	Vehicle ground
Buzzer	Green	Pulled down input	Control of vocal	Tracking unit output
Door	Gray	Pulled down input	Activate the background light	Vehicle doors
Data	White	1-Wire protocol	Communication with the tracking device	Tracking unit IButton interface

Electrical Specifications

Parameter	Description
Supply voltage	8 V - 36 V
Current consumption	< 5 mA typical
Protection	The device will not be damaged if the power supply wires are connected with inverted polarity
Communication protocol	1-Wire® protocol supporting iButton
Communication distance	10 meters maximum

Physical and Environmental Specifications

Parameter	Description
Dimension	55mm x 44mm x 23mm
Working temperature	-20°C to 70°C
Wire length	150 cm

For further information contact us on
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