



## RFID reader

The **RFID reader** is a small card-reader that enables the identification of the driver. It shows who is using the vehicle, at what time, and who is in charge of it. In case any discrepancies arise during the identification process, it is possible to block the vehicle's engine and notify the driver by an audio signal and send the warning to the monitoring and control system. The device is easy-to-implement, and it is possible to use the same security passes you already use in your company.

### Applications

- Safety and Security
- Access control
- Local regulations

### Key Features

- Driver and passenger identification
- Remote vehicle immobilization

### Compatibility

<input type="checkbox"/> Trace5	<input checked="" type="checkbox"/> FM-Tco4 HCV	<input checked="" type="checkbox"/> FM-Tco4 LCV	<input checked="" type="checkbox"/> FM-Pro4
<input type="checkbox"/> FM-Plug4	<input type="checkbox"/> FM-Eco4	<input type="checkbox"/> FM-Eco4 S	<input type="checkbox"/> FM-Eco4 T

## Detailed specifications

### Reader specifications

<b>Power consumption</b>	150 mA @ 12V
<b>Power supply</b>	+5 to 18 V DC
<b>Operating temperature range</b>	-10 °C to +60 °C
<b>Operating humidity</b>	10 - 90%
<b>Interface</b>	RS232
<b>Frequency</b>	13.56 MHz
<b>Card type</b>	MF1 standard 1024/4096 bytes
<b>Card format</b>	MAD1/MAD2
<b>Maximum reading range</b>	2 to 5 cm with Mifare card

### Cable pinout

Wire colors	Description
Red	Power supply
Black	Ground
Blue	Buzzer (connects to FM device DOUT1 or DOUT2)
Brown	LED (connects to FM device DOUT1 or DOUT2)
Green	RS232 connection (connects to FM device RS232 port TX cable)

### Physical properties

<b>Panel dimensions</b>	8.3 x 1.7 x 1.6 cm
-------------------------	--------------------

## Ordering information

<b>RFID reader</b>	Card reader with indication LED and buzzer for driver identification
--------------------	--

### Contact information:

Perkūnkiemio g. 6  
 LT-12130 Vilnius, Lithuania  
 Phone: +370 520 451 88  
 Web: www.ruptela.com

Datasheet v1.0  
 2020-04-20