



AFAPARK®PRO Sensor



Sensor controls directly working of the indicator. Through the RS-485 magistral it communicates with the concentrator SLAVE, receives and transfers information about the occupation of the parking place (reservation, unoccupied, occupied) depending on the version of Visual software.

The range of detection is up to 4,5 m high (distance from the floor to the sensor). It is installed above the parking bay. The logic of the system and detection is designed to ignore temporary changed of the status e.g. walking people.

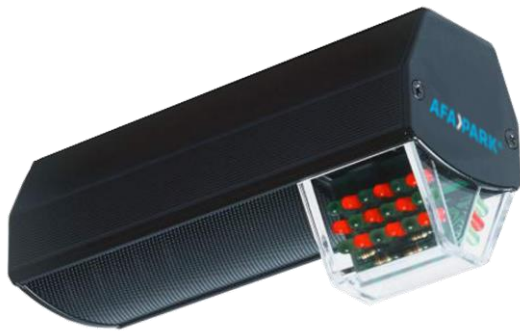
The Sensors may be equipped in the speakers with the individual amplifiers, which allows the broadcast of sound announcement for individual sound personification of the parking places. This concept enables passing the information to each parking client about the number places just taken and moreover it may be used as an commercial communicate broadcast. The sound communicate is as well the service for the places with the specific status e.g. Handicapped people, VIP, etc.

Optionally detection of incorrectly parked cars if neighboring parking space is also occupied in at least 25%.

Technical specification

Dimension (LxWxH)	190x65x67 mm
Voltage	U = 45 V +/- 3 VDC
Maximum current consumption	I = 40 mA
Maximum current consumption - option with speaker	I = 200 mA
Maximum range of detection	L = 4,5 m
Operating mode	bistable
Working temperature range	-25 °C + 60 °C
Maximum humidity of surrounding area	< 80%
Interface	RS485
Type of housing	Aluminum
Housing colour	RAL 9010, white (possible colour personalisation from RAL palette)
International Protection Rating IP	IP54
Protection Rating IK - Mechanical impact resistance	IK08/10

AFAPARK®PRO Indicator



It is installed as a separate element in front of the parking bay or installed in the position sensor above parking bay.

It informs about the status of the parking place. The main elements is the double-sided LED matrix with the enhanced light intensity diodes. The use of LED diodes ensures visibility, low electric consumption and long life of the LED matrix. The pulsing green light informs that the place is unoccupied.

Constant red light informs that the place is occupied. There is a special status place indication predicted instead of the green light for instance for the following:

- Blue - for handicapped drivers.
- Pink - for « mother with kid.
- Orange - for other special places.

The Indicator may be additionally equipped in the speaker belonging to the main public sound system in the object. Using the 100V technology of the Public Address Sound System it ensures the sound quality on the level of CIS = 0,7 for all conditions on the parking.

Thanks to the applying of many low wattage speakers 2 W, the quality of voice messages and the music broadcast ensures the appropriate volume of sound and the rapid speech transmission. Generated acoustic field is regular for the entire area of the parking, what increases the sound emission quality and the safety level in case of the broadcasting of the evacuation communicates.

Technical specification

Dimension (LxWxH)	190x65x86 mm
Voltage	U = 12 VDC
Maximum current consumption	I = 160 mA
Operating mode	bistable, PWM
LED diodes colour mode	
- place unoccupied	pulsing
- place occupied	„red” constant
Luminosity	2 cd
Working temperature range	-30 °C + 60 °C
Maximum humidity of surrounding area	<80%
Type of housing	Aluminum
Housing colour	RAL 9005, black (possible colour personalisation from RAL palette)
International Protection Rating IP	IP54
Protection Rating IK - Mechanical impact resistance	IK08/10