

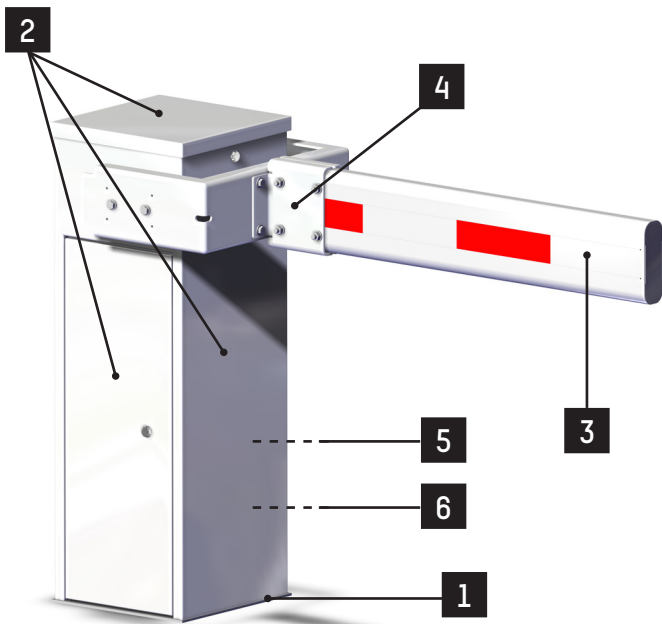
PP 244

Datasheet

Rev. 03 • Update 01/2020

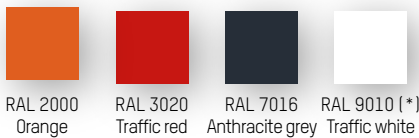
AUTOMATIC
SYSTEMS

ParkPlus



ParkPlus 244 is a fast and antivandal rising barrier for the control of vehicles in the parking.

STANDARD RAL COLORS

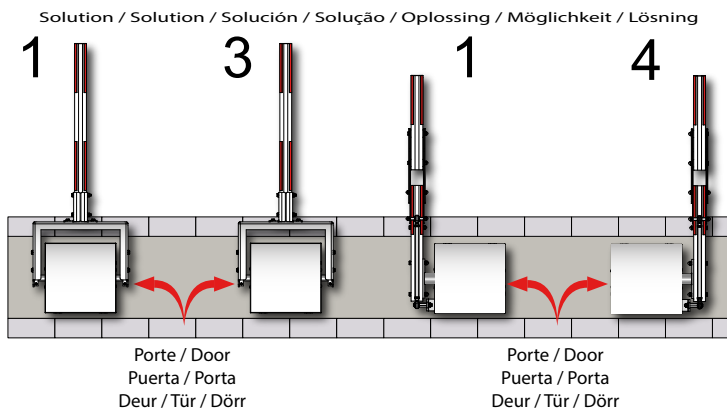


RAL 2000 Orange
RAL 3020 Traffic red
RAL 7016 Anthracite grey
RAL 9010 (*) Traffic white

(*) Standard color. All other colors must be specified when ordering.

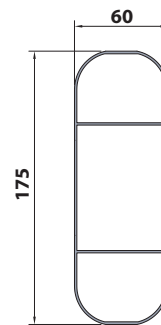
Note: These RAL references are available for free.

CONFIGURATIONS



DESCRIPTION OF THE STANDARD EQUIPEMENT

1. Steel sole with anti-corrosion treatment with polyester paint.
2. Steel housing, door and hood with anti-corrosion treatment and polyester paint RAL 9010.
3. Central semi-reinforced and aluminum arm (175 x 60 mm), lacquered white (RAL 9010) with red reflective strips.




4. Drive shaft directly driven by reduction motor eliminating all complicated adjustments and the risk of breakdown.
5. Electromechanical assembly including:
 - Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced lifting.
 - Auto-aligning bearing block lubricated for life.
 - Variable frequency drive ensuring progressive accelerations, short circuit protection, grounding, overcurrent and thermal protection of the reduction motor.
 - Electronic limitation of the electromechanical assembly torque allowing immediate stopping of the arm during closing in case of an obstacle.
 - Balancing of the arm by means of compensating springs, according to the weight of the arm.
6. Electronic control board offering 10 inputs + 3 outputs + 2 relays configurables:
 - Adjustable opening and closing speed.
 - Arm position status (*open or closed*).
 - Technical fault information report.
 - Human/Machine interface with dipswitches, potentiometers, push button and Leds.
 - Ethernet interface.
 - Socket for presence detector (*2 loops*).
 - Communication with MODBUS form.



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STANDARD TECHNICAL SPECIFICATION

Electrical power supply	Single-phase 230 VAC - 50/60 Hz + ground <i>Note: not to be connected to an isolated ground network or a high impedance earthed industrial network.</i>
Consumption	During motion: 450 W max. At rest: 44 W <i>(Depending of options)</i>
Motor	Three-phased 230 V/250 W
Free passage (L)	from 2 to 4 m
Operating time	Adjustable from 1.2 to 3 s <i>(Allowing the passage of 1500 vehicles/h)</i>
Operating temperature	From -25 to +60°C
Relative humidity	95% max, without condensation
MCBF	Mean cycles between failures: 5.000.000, when respecting recommended maintenance.
Weight	100 kg <i>(without arm)</i> - Arm: 15 kg max
IP	54
	Conform to European standards.

WORK TO BE PROVIDED BY THE CUSTOMER

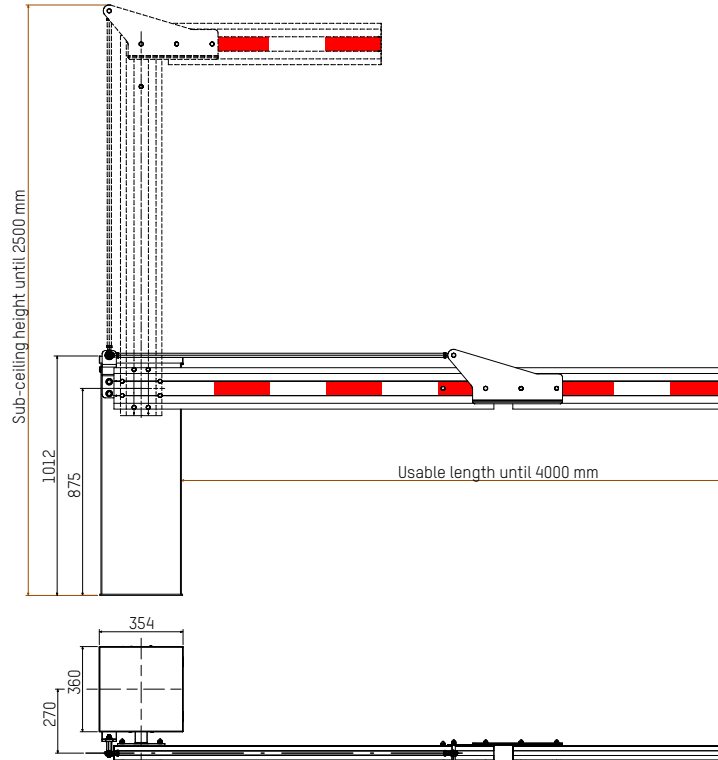
- Adapted ground fastening.
- Power supply.
- Wiring towards eventual external peripherals.

Note: respect the installation drawing.

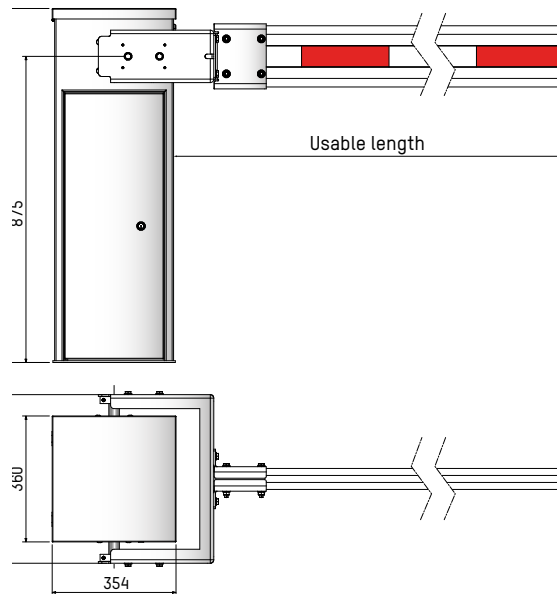
OPTIONAL

1. Articulated oval semi-reinforced arm *(lateral)*.
2. Automatic opening in case of power failure (AVR).
3. Tip support: adjustable height, electromagnetic or electrolocked.
4. Sensor for open panel or cover.
5. Push buttons box for opening-closing-stop.
6. Key switch on housing for automatic-locked open-locked closed modes.
7. Radio Transmitter/Receiver.
8. Vehicle detection loop.
9. Presence detector for detection loop.
10. Photoelectric cell for opening-closing-safety.
11. Cell support post.
12. Cell assembly on housing.
13. Ultrasonic detector.
14. Extension card for 8 inputs, 8 relays and 1 Presence detector connector.
15. Counter *(totaling, with resetting, up / down)*.
16. Arm LED lighting *(not suitable with articulated arm)*.
17. LED traffic lights.
18. Support post for traffic lights.
19. Aluminum traffic sign (Ø 300).
20. Led flashing light on hood *(only with lateral arm)*.
21. Anti vandalism Leds on hood *(only with lateral arm)*.
22. Paint of another RAL color *(other than standard colors)*.
23. Customer logo.
24. Treatment for aggressive saline environment.
25. Raised base.
26. Power supply 120 V - 60 Hz.
27. Thermostatic heater for operation down to -45°C+.

STANDARD DIMENSIONS (MM)



ParkPlus 244 with articulated arm (option)



ParkPlus 244

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