

PARKPLUS 100-BL 15 Vehicle Gate

The ETL certified ParkPlus is a parking barrier gate that offers a simple yet highly reliable solution for all parking applications.

SECURITY & SAFETY

- Resistant to lifting
- Visibility of the obstacle
- Unique optional breakway feature
- Automatic reverse on contact with obstacle
- Optional electromagnetic tip support

AESTHETICS & CUSTOMIZATION

- Quick and simple customization of the ParkPlus housing
- Easy to install
- Auto-configuration of the barrier
- Personalized color (option)
- Client logo (option)
- Heating (option)

Description

1. Casted aluminum base plate.
2. Anodized aluminum frame.
3. Aluminum housing panels, white lacquered (RAL9010). Includes front access panel.
4. Casted aluminium cover, lockable by key.
5. Oval aluminum arm with 3-1/3" X 2" [82.5 x 51.5 mm] profile dimension, white lacquered (RAL 9010) with reflective red and white stripes.
6. Drive shaft, with a 1-3/16" [30 mm] diameter, fitted on a geared motor and a permanently lubricated bearing.
7. Electromechanical assembly including:
 - Reversible three-phase asynchronous gear motor, ensuring protection of the mechanism in case of forced lifting of the arm due to fraudulent action. Maintaining the arm in its extreme positions (open and closed), is achieved by the frequency converter.
 - Frequency converter ensuring progressive accelerations and dampened decelerations, for movement without vibrations, reversal of direction without jolts (reopening) and increased protection of the mechanism.
 - Electronic limitation of the electromechanical assembly torque allowing immediate stopping of the arm during closing in case of an obstacle
 - Analog position sensor indicating the high and low positions and allowing control of the gear motor.
 - Balancing of the arm by means of a compensating spring, according to the weight of the arm.

Description cont.


8. Electronic control board offering 14 digital inputs, 6 digital outputs, 3 relays, an Ethernet port and 1 mini USB port. Sample of the available features:
 - a. Arm position status (open or closed).
 - b. Presence detector status.
 - c. Breakaway arm sensor.
 - d. Technical fault information report.
 - e. Human/Machine interface with 5 integrated push buttons for opening, closing and basic configuration of the barrier.

Common Applications

- Car Parks
- Hospitals
Airports
- Hotels
- Shopping Centers

Options

- Articulated arm.
- Breakaway + breakaway detection.
- Automatic opening setting in case of power failure.
- Housing finish with non-standard RAL paint color.
- Inductive loop for vehicle detection.
- Presence sensor for inductive loop.
- Photoelectric cell for opening-closing safety.
- Photoelectric cell assembly on housing.
- Photoelectric cell support post.
- Sensor to detect open panel or cover.
- Input / output (I/O) extension card for ASI620 logic board (ASI623).
- Thermostatic heater for operation down to -49°F [-45° C].
- Aluminum traffic sign 18" [457 mm] diameter.
- Raised base.
- Remote control.
- Traffic lights - Red/green LEDs
- Support post for traffic lights
- Protective rubber profile under the arm.
- Tip support.
- Push button box for opening-closing-stop manual override.
- Key switch on the housing for automatic-locked open-locked closed modes.
- LEDs on arm - Per pair (Flashing lights (red) when closed).
- Function pictogram - Integrated in the cover (Red ⇨ closed / Green ⇨ open).
- Smart Touch - For remote monitoring and control.

Power supply	Single phase 120 VAC 60 Hz + ground. ⁽¹⁾
Consumption ⁽²⁾	During motion: 150W max. At rest: 44W ⁽²⁾
Motor	Three-phased 230V/90W
Free passage (L)	From 6ft 6in [2m] to 13ft 1in [4m], in increments of 19-3/4' [0.5m]
Operating time	Adjustable between 1,2 and 3 sec. (Allowing the passage of 1500 vehicles/h)
Operating temperature	14°F to 160°F [-10 and +60°C].
Relative ambient humidity	95% max, without condensation.
MCBF (Mean Cycle Between Failure)	5,000,000 cycles, <i>when respecting the recommended maintenance.</i>
Net weight	110 lbs [50 kg] (excluding arm) Arm: 3.5 to 7 lbs [1.6 to 3.2 kg].
IP rating	IP55
	ETL certified in compliance with the requirement of standard UL325 and CSA C22.2 N°247

