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Automatic entry and exit of vehicles

Automatický vjezd a výjezd vozidel

High resistance against damage

Vysoká odolnost proti poškození

Easy and intuitive use

Snadné a intuitivní použití

Fast check-in/out of drivers

Rychlé odbavení řidičů

Autonomous operation

Autonomní provoz



ENTRY AND EXIT TERMINAL
VJEZDOVÝ A VÝJEZDOVÝ TERMINÁL

GPE4T

BASIC INFORMATION

The GPE4T terminals are used as check-in/out points for automatic entry and exit of vehicles. Drivers can control the terminals without having to leave their cars. Terminals are protected against misuse by induction loops installed in front of them. Terminals become active only if there is a vehicle detected above the induction loop. The design of both the entry and exit terminal cabinets is the same, their specific use depends on the peripherals installed in the front panel.

FEATURES

- automatic entry and exit of vehicles
- front panel equipped with anti-vandal push buttons
- customer information display
- heating unit with automatic thermostatic regulation to maintain optimum working temperature inside of the cabinet
- connected barrier operation controlled by an electronic control board

MAIN ADVANTAGES

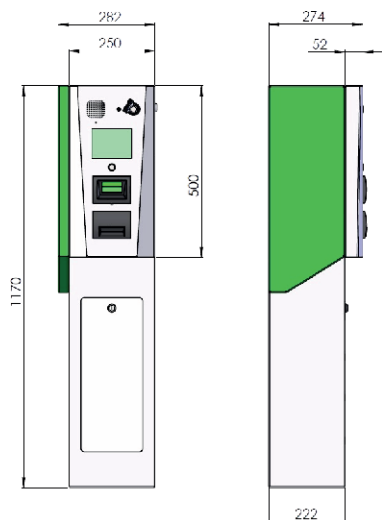
- fast check-in/out of drivers
- backlit display making the shown information easy to read even in adverse light conditions
- a possibility to adapt the display appearance
- high resistance of push buttons to mechanical damage
- easy to operate

OPTIONAL ACCESSORIES

- alphanumeric or graphic display for the depiction of information important for the car park customers
- bar code printer for the print of parking tickets
- omni-directional bar code reader
- contactless card reader
- motorized reader of plastic parking cards
- intercom (a communication system)

OTHER PARAMETERS

Material	steel metal sheet of the 2 mm thickness
Dimensions	282 × 274 × 1170 mm
Weight	30 kg
Ingress protection	IP 54
Power consumption in the idle state	20 W
Maximum power consumption	195 W (150 W power supply + 45 W heating)
Working temperature	-25 °C to +45 °C
Check-in/out capacity	up to 600 vehicles per 1 hour
Number of paper tickets	up to 2 600 pcs



ENTRY TERMINAL

The entry terminal is located at the car park entry and it allows drivers automatic entry.

ENTRY PROCESS

- ① The driver arrives at the entry terminal and presses the button for the parking ticket issue.
- ② The issue of a ticket is conditioned by the presence of a vehicle at the entry terminal while the presence of the vehicle is monitored by the induction loop detector. If the terminal recognizes the presence of a vehicle, it issues a parking ticket to the driver. If not, the issue of a parking ticket is not enabled.
- ③ After the driver has taken the parking ticket from the slot, the barrier arm is raised.
- ④ The barrier closes after the vehicle has left the security induction loop under the barrier arm.

FUNCTIONS AND FEATURES

- issue of single entry bar code parking tickets including the information on the date and time of the customer's arrival at the car park
- check of the authorization to enter the car park and the permitting of the entry
- authentication of the validity of long-term parking cards
- providing the staff with information on the necessity to intervene (lack of paper, error messages due to the error of the printer, barrier, etc.) via the switching of the relay output on (with a possibility of further connection, e.g. to a modem)
- dispensing slot equipped with the parking ticket sensor
- anti-vandal stainless steel push button for the issue of parking tickets

EXIT TERMINAL

The exit terminal is located at the car park exit and it allows drivers automatic exit.

EXIT PROCESS

- ① Prior to the exit from the car park, the customer needs to pay a fee for used parking services in the automatic pay station or manual pay station. After the car park user has paid the parking fee, a single exit parking ticket is issued.
- ② The driver places the paid parking ticket to the exit terminal scanner which checks the bar code information stated on the parking ticket.
- ③ If the induction loop detector recognizes the presence of a vehicle, the terminal gives a command to the automatic road barrier to open and the driver can leave the car park.
- ④ Subsequently, the terminal invalidates the exit parking ticket to prevent multiple exits with the use of one parking ticket.
- ⑤ The barrier closes only after the vehicle has left the security induction loop under the barrier arm.

FUNCTIONS AND FEATURES

- reading of exit parking tickets
- check of the authorization to exit from the car park and the permitting of the exit
- authentication of the long-term parking cards validity
- providing the staff with information on the necessity to intervene (a barrier error, a swung off barrier arm) via the switching of the relay output on (with a possibility of further connection, e.g. to a modem)
- automatic invalidation of a single exit parking ticket after the vehicle has left the car park