

PM 100 System

Motorized discount Unit GZR 100

V 1.00

DESIGNA

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General

The GZR is used to offer the car park customer a complete or partial credit of his parking fee. The GZR reads the short term parker ticket and re-codes it with the modified set of data. The ticket is read at the cash register and the respective credit is given.

The GZR is operated off-line.

Terminal Description

General

The GZR is installed in a desk-top casing. An external connector supplies the power.



Illustration 0-1 : The time credit unit

There are 2 types of terminals:

- a terminal with one crediting level. It has no switches on the front panel and an integrated mechanical, non-resettable counter.
- a terminal with two crediting levels. On the front panel there are two switches and 2 counters assigned to them to select the type of crediting.

The magnetic track reader and the microprocessor control are installed in the casing.

Function

The GZR has no off/on switch and is automatically active after plugging it in.

The terminal with one level (without switch on front panel) is immediately active. You can insert a ticket right away.

When choosing the option with 2 levels, select the desired crediting level by pressing the respective switch. A green light emitting diode signals your choice.

You can now insert a short term parker ticket in the magnetic track reader of the GZR 100. The magnetic track must face upwards since the terminal has only 1 magnetic head.



Illustration 0-2 : Direction of how to insert the ticket

The magnetic track reader reads the data on the magnetic track and transmits them to the microprocessor control.

The processor checks the data for the entrance time and modifies the time with the time intended as a refund.

Example:

Ticket data	entrance time 10:30 h
Time credit	1 hr.
Modified ticket data	entrance time 11:30 h

With this modification the customer pays only the parking time minus the deduction.

The processor transmit the modified data to the magnetic track reader which in turn codes them on the ticket. It also triggers the mechanical counter and increments it by one. As for the 2-level terminal, it triggers the counter assigned to the switch for the crediting process.

After this transaction the terminal is right away ready for use of the next ticket. When choosing the 2-level option, the selection of a switch must precede the processing of the next ticket.

The red LED on the front panel signals the operator an error with coding the ticket, e.g. the ticket had been credited before and can therefore not be re-coded.

The GZR 100 has fixed credit times. The amount of those data per ticket are stored permanently in an eprom. The customer cannot modify them.

DESIGNA needs to know these customer data (credit times and crediting processes per ticket) ahead of programming the eproms in Kiel.

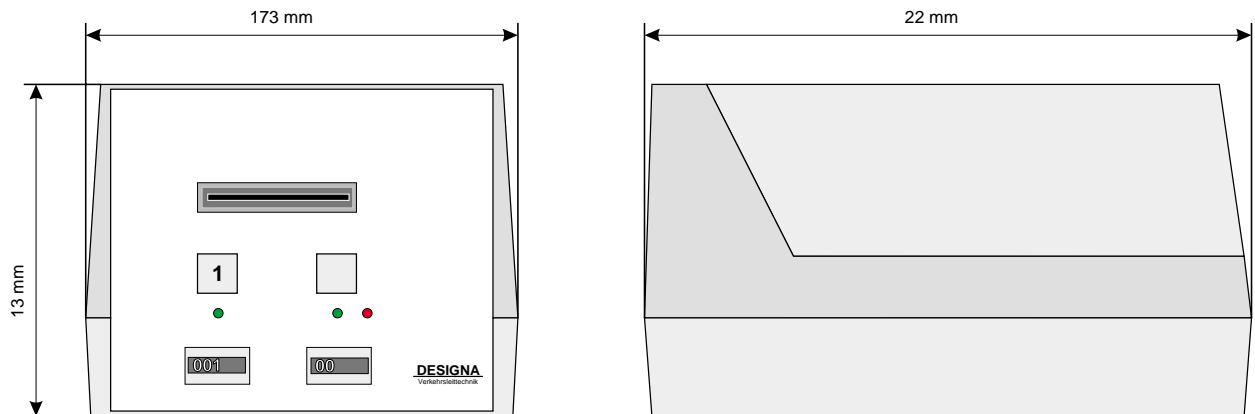
Billing of Credit Times

The granted credit times show up on the GZR counter. The mechanical counter is not resettable and is therefore fraud-proof.

There is no report for the credit times at the data control center.

Technical Data

Size:



Casing	:	ABS plastic
Front panel	:	2mm aluminum, anodized lettering possible with screen print
Voltage	:	24 V DC , max.1.200mA
Power supply	:	230V AC 50Hz, 300mA
Protection	:	IP 30, for indoor use only
Temperatures	:	operation 0 - 50°C storage -10 - 70°C

aluminum