

# 3-digit display for car park with built in direction indicator

## Type GP 6763 0105



- Brightly lit green and red LED
- Display built into robust aluminium box
- RS485 communication
- Combined direction indicator and 3 digit display

## Product Description

The GP6763 0105 display is part of a car park system which, among other things, contains a GP6565 0201 indicator and several sensor types with type numbers GP6520 220x and GP6540 3421.

Using 3-digit LEDs, the GP6763 0105 signals the number of free parking

spaces, and the direction as well.

Because of this method of communication, it is possible to interconnect several displays on the same network.

The GP6763 0105 display is also used as a monitor for the GP6565 0201 indicator when programming the system.

## Input/Output Specifications

Serial port termination:

- 2 wire grey cable:
  - Interface A EIA-RS485 white wire plus +
  - Interface B EIA-RS485 black wire minus ÷

## Ordering key

**GP 6763 0105**

Type: Dupline®  
 Housing  
 Input type  
 Channels  
 Inputs  
 Supply

## Protocol used for controlling display

- Data speed: 4,800 bps
- Data protocol: Proprietary
- Flux of the data: Asynchronous mode, continuous receiving with no answer
- Frame composition: 3 x [1 START bit + 8 DATA bit (character) + 1 STOP bit]

**NOTE:** the starting of the frame is synchronised with the last positive edge of the Dupline® frame with a delay of 1 msec.

## General Specification

<b>Indication:</b>	3-digit consisting of green and red LEDs
<b>Environment</b>	
Protection:	IP 65
Operating temperature:	-10°C to 50°C
Pollution degree:	3 (IEC 60664)
Humidity:	20 - 90% non condensing
<b>EMC compatibility:</b>	Fully meets N61000-4-X for industrial installations
<b>Dimensions:</b>	600 x 240 x 100
<b>Material:</b>	Aluminium box with frosted plexiglass front
<b>Weight:</b>	5 Kg

## Supply Specifications

<b>3 wire cable:</b>	Fase VAC powersupply Zero VAC powersupply GND VAC powersupply
<b>Power Supply:</b>	85 - 264 VAC 230 VAC / 0.35 A 47 - 63 Hz
<b>Average current consumption:</b>	0,35 A
<b>Power consumption:</b>	Average 80 W Max. 92 W
<b>Inrush current:</b>	25 A / 230 VAC cold start

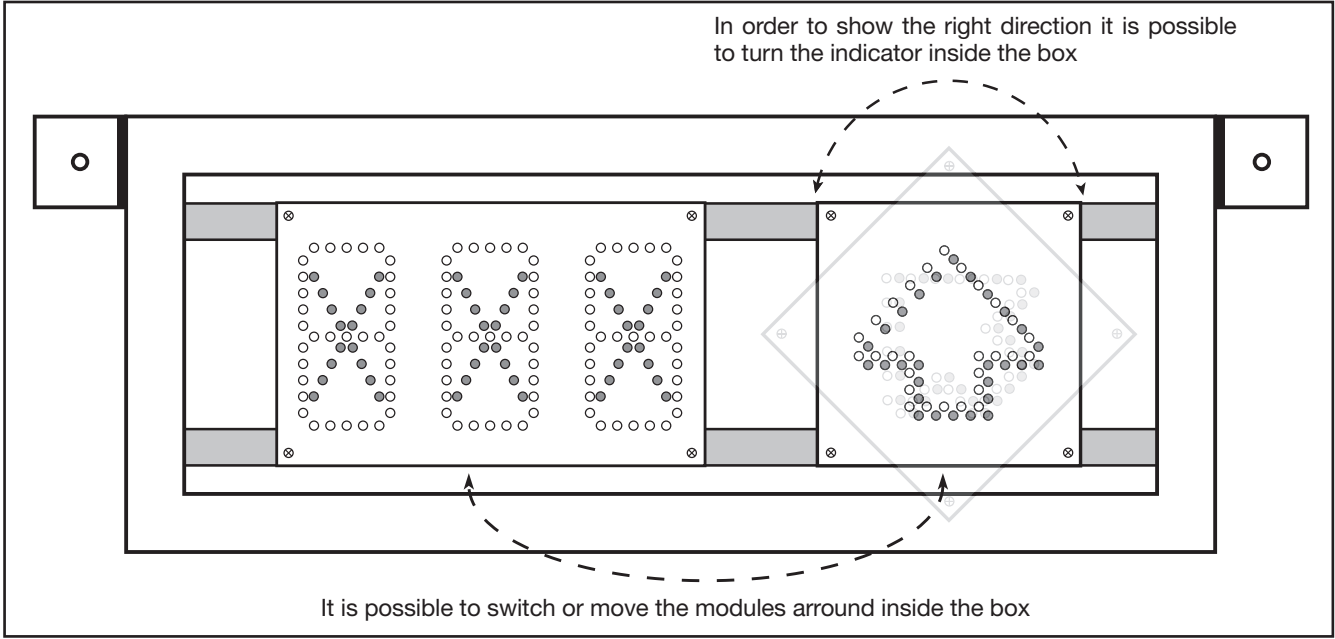
**Mode of operation**

The GP6763 0105 display is designed to display the number of free parking spaces in a parking facility. At the same time it shows the direction towards the free parkingspace area. The LEDs are designed to be clearly visible at a distance

of 50 m. The GP6763 0105 display is also used as a monitor for the GP6565 0201 indicator when programming the system. GP6763 0105 receives data from indicator GP6565 0201 by way of an 8-bit data pattern every 130 ms.

The serial data is converted and displayed as a 3-digit signal. GP6763 0105 is the same unit for showing all 4 different directions. By opening the front of the box, the direction module can be moved into another slot, so the arrow can be

shown as pointing to the right, left, up or down direction.



**Schematic Drawing**

