

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 bays,

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:

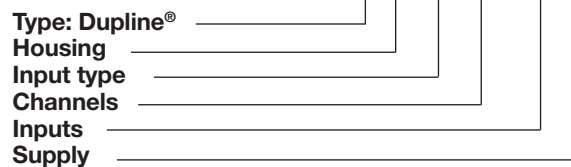
- 2 wire grey cable:
 - Interface A EIA-RS485 white wire plus +
 - Interface B EIA-RS485 black wire minus -

General Specification

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

Ordering key

GP 6763 0105



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:

Start Byte 0x55	Data High Byte	Data Low Byte	Stop Byte 0x55
-----------------	----------------	---------------	----------------

High Byte is represented by 256 (8 bit)

Low Byte is the rest

Example: I want to write 999 on the display

High Byte is $\rightarrow 999/256 = 3$

Low Byte is $\rightarrow 999 - (256 \times 3) = 231$

Result is:

Start Byte 0x55	Data High Byte 0x03	Data Low Byte 0xe7	Stop Byte 0x55
-----------------	---------------------	--------------------	----------------

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

Supply Specifications

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

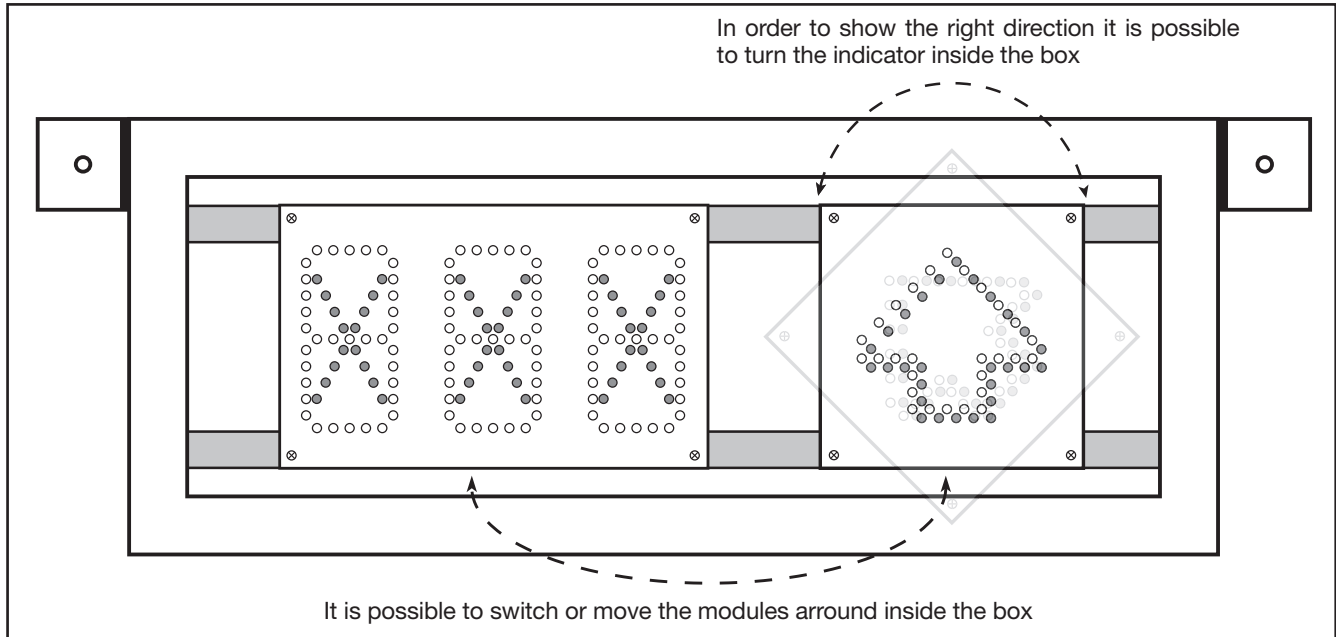
Mode of operation

The GP6763 0105 display is designed to display the number of free parking bays 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

