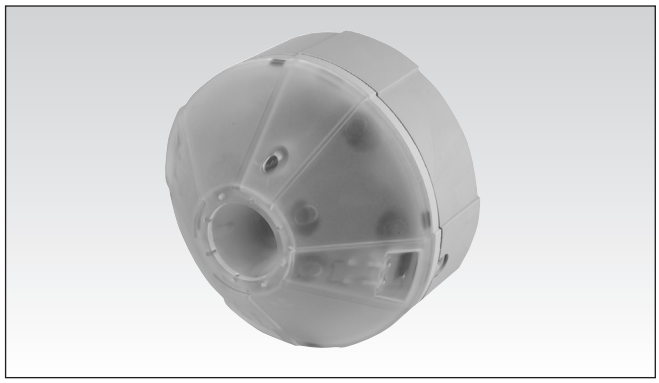
Dupline® Car Park System
Type GP6265 230x724-US
Bus-controlled LED Indicator for Sensor



- **3-color LED indicator**
- **LED color control via the bus**
- **Can be used for e.g. indication of booked spaces**
- **Can also be used as 2-color bus-controlled indicator**
- **GP62652301724-US is a red/green/amber LED indicator**
- **GP62652301724-1-US is a red/green/amber LED indicator**
- **GP62652302724-US is a red/green/blue LED indicator**
- **GP62652303724-US is a red/blue/amber LED indicator**
- **Powered from the Dupline® 3-wire bus**
- **cULus approved**

Product Description

GP6265 230x 724-US is a 3-color bus-controlled LED indicator and is part of the Dupline® parking guidance system. The unit is to be mounted outside the parking space and it is used to indicate the status (e.g. available, occupied, booked). It can either be controlled from a PC/PLC (3-color mode) or directly from the sensor (2-color mode). In the latter case the advantage is a simplified wiring compared to a std. indicator which needs to be connected to the sensor directly.

Ordering key

GP 6265 230x724-US

- **Type: Dupline®**
- **Housing**
- **Input type**
- **Channels**
- **Inputs**
- **Supply**

Type Selection

GP6265 2301 724-US	**red/green/amber LED indicator**
GP6265 2301 724-1-US	**red/green/amber LED indicator**
GP6265 2302 724-US	**red/green/blue LED indicator**
GP6265 2303 724-US	**red/blue/amber LED indicator**

Supply Specifications

Power supply:	21 VDC min.; 30 VDC max. (Overvoltage category III (IEC60664))
Max. supply current	5 mA
Power consumption:	< 0.7 Watt

Environment

- **Protection: IP 34**
- **Operating temperature: -40°C to 70°C**
- **Storage temperature: -40°C to 85°C**
- **Pollution Degree: 3 (IEC 60664)**
- **Dimensions: Ø118 x 76 mm**
- **Material: The case is made of polypropylene. The sensor lid is made of clear Polycarbonate.**

Input/Output Specifications

RJ12 connector	for address programming with Carpark Configurator GP7380 0080
2x3-pin connector	• Printed dot on the indicator is Dupline® + • D- or Gnd • POW (power from DMM or Coupler). See drawing on page 3 (System diagram)
1x2-pin connector	Not in use for GP6265230x-US

NOTE: The indicator connectors are using the “push-wire connection” methode. Use 1.5 mm^2 single core wire for the sensor installation.

CARLO GAVAZZI

General Specifications

CarPark indicator 2 color mode:	The indicator uses one Dupline® output address
LED CH1	This address defines the LED color
Default adress	LED CH1 = A1
LED color coding	
GP6265 2301-US	
LED CH1 = 0	Green LED ON
LED CH1 = 1	Red LED ON
GP6265 2302-US	
LED CH1 = 0	Green LED ON
LED CH1 = 1	Red LED ON
GP6265 2303-US	
LED CH1 = 0	Blue LED ON
LED CH1 = 1	Red LED ON

Note: Two-color mode is selected by entering XX (not used) as address for LED CH2.

CarPark indicator 3 color mode:	The indicator uses two Dupline® output addresses
LED CH1 and LED CH2	These two addresses are used for control of the LED color.
Default adress	LED CH1 = A1 LED CH2 = A2
LED color coding	
GP6265 2301 724-US	
LED CH1, LED CH2 = 0,0	Green LED ON
LED CH1, LED CH2 = 0,1	Amber LED ON
LED CH1, LED CH2 = 1,0	Red LED ON
LED CH1, LED CH2 = 1,1	No LED ON
GP6265 2301 724-1-US	
LED CH1, LED CH2 = 0,0	Green LED ON
LED CH1, LED CH2 = 0,1	Amber LED ON
LED CH1, LED CH2 = 1,0	Red LED ON
LED CH1, LED CH2 = 1,1	Amber LED ON
GP6265 2302 724-US	
LED CH1, LED CH2 = 0,0	Green LED ON
LED CH1, LED CH2 = 0,1	Blue LED ON
LED CH1, LED CH2 = 1,0	Red LED ON
LED CH1, LED CH2 = 1,1	No LED ON
GP6265 2303 724-US	
LED CH1, LED CH2 = 0,0	Blue LED ON
LED CH1, LED CH2 = 0,1	Amber LED ON
LED CH1, LED CH2 = 1,0	Red LED ON
LED CH1, LED CH2 = 1,1	No LED ON
Approval	cULus (UL60950)

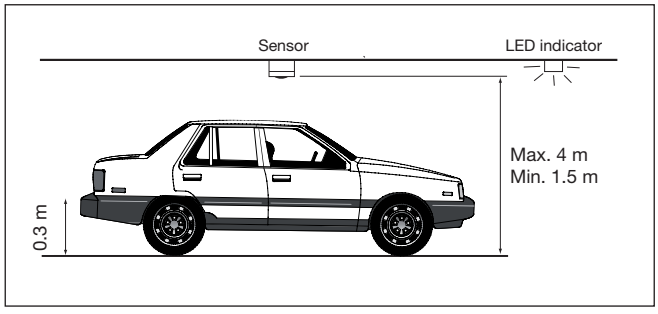
Mode of Operation

The GP6265 230x-US is connected directly to the 3-wire bus just like the sensors. The unit is to be mounted outside the parking space and it is used to indicate the status (e.g. available, occupied, booked). It can either be controlled from a PC/PLC (3-colour mode) or directly from the sensor (2-colour mode).

3-color mode
In this mode a centralized PC or PLC can be used to control the color of the indicator. Through the RS485 modbus interface of the Carpark Master Module GP34960005 the PC/PLC can control the status of the two Dupline® bit-addresses assigned to the sensor. Each of the four bit-combinations will result in a specific indication as shown above under “Carpark indicator 3 colour mode”.
Note: The version GP6265 2301 724-1-US must always be used together with the Dupline® Carpark Software DUP-PGS-SWxxxx. See the Dupline® Carpark Installation Guide under the sections “Programming the 3-Color Sensor/ Programming the LED Indicator” about the options for 3-color mode.

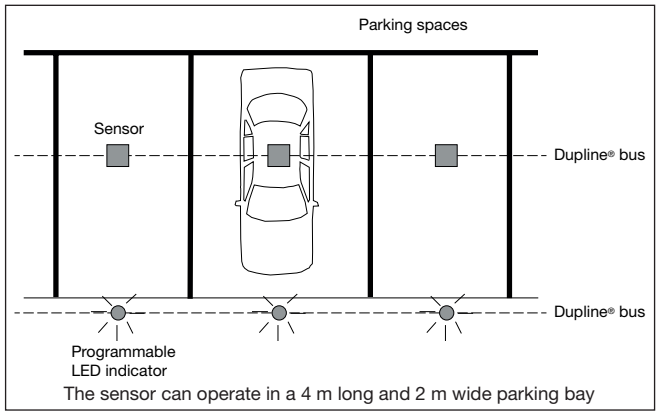
2-color mode
In this mode the color of the indicator is controlled directly from the sensor which in this case must have the same Dupline® address as the indicator. The reason for this mode is to offer a simplified, and in some cases more aesthetical, wiring compared to the traditional method where the indicator is connected directly to the output drive of the sensor. Instead of having a line of several sensors each with a perpendicular branch to the associated indicator, it is now with GP6265230x-US possible to have just two lines of the 3-wire bus: one line for the sensors and one line for the indicators. This way there is no need for perpendicula branches.

Multimode:
The LED Indicator has an option that allows the installer to decide whether to use it as “Single” or “Multimode”. “Single” mode is the standard mode which is described in the section “2-color mode” and “3-colour mode”. The LED Indicator used in “Multimode” means that the installer can monitor many spaces by using only one LED Indicator. Each of the sensors have a unique address, e.g. A1 to A8 (8 spaces). The LED Indicator in “Multimode” can simply monitor all 8 addresses. If all addresses are occupied, the LED Indicator shows red. If one or several spaces are available, the LED Indicator shows green.

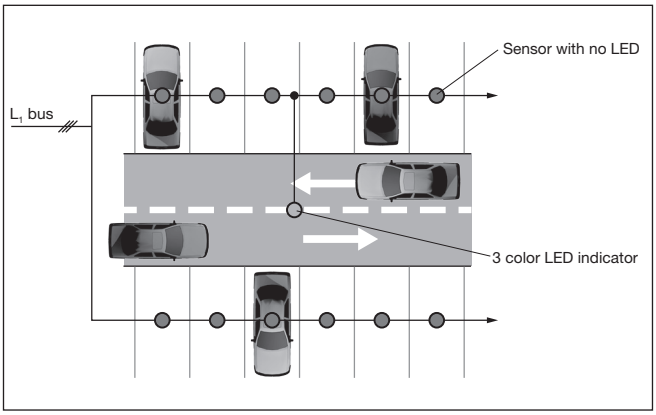


CARLO GAVAZZI

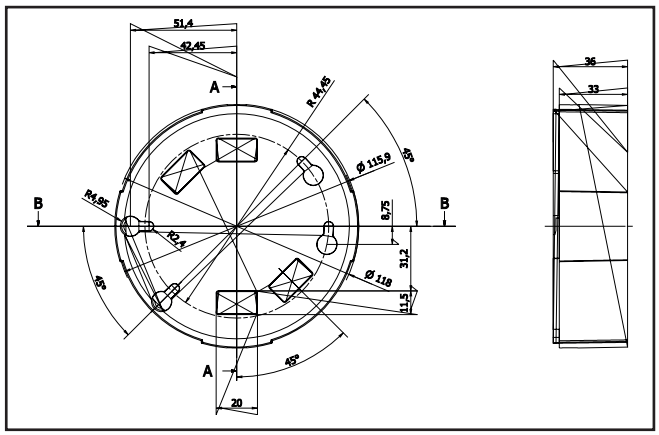
Mode of Operation (cont.)



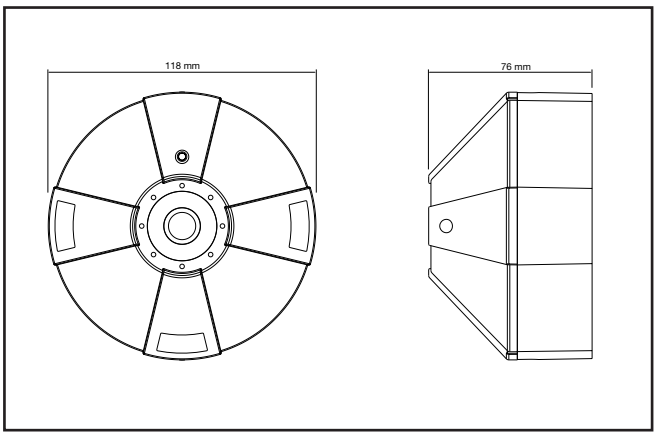
The sensor can operate in a 4 m long and 2 m wide parking bay



Bottom part: mounted in ceiling



Dimensions



Example of connection