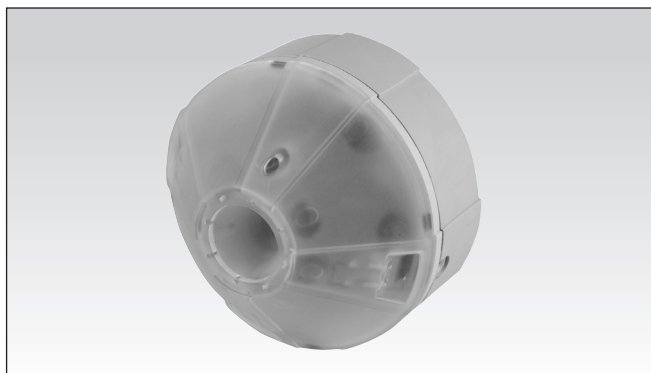# Dupline® Car Park System
Type GP6265 230x724
Bus-controlled LED Indicator for Sensor

CARLO GAVAZZI

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

Product Description

GP6265 230x is a 3-colour 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 con-trolled from a PC/PLC (3-colour mode) or directly from the sensor (2-colour 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

Type: Dupline®
Housing
Input type
Channels
Inputs
Supply
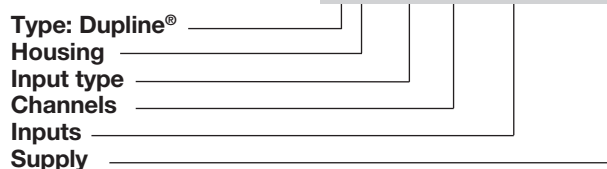
Type Selection

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

Supply Specifications

Power supply: (Overvoltage category III (IEC60664))	21 VDC min.; 30 VDC max.
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

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

neutral

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General Specifications

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

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

CarPark indicator 3 colour mode:		The indicator uses two Dupline® output addresses
LED CH1 and LED CH2		These two addresses are used for control of the LED colour.
Default adress		LED CH1 = A1
		LED CH2 = A2
LED colour coding		
GP6265 2301724		
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 2301724-1		
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 2302724		
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 2303724		
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 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-colour mode
In this mode a centralized PC or PLC can be used to control the colour 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 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-Colour Sensor/ Programming the LED Indicator" about the options for 3-colour mode.
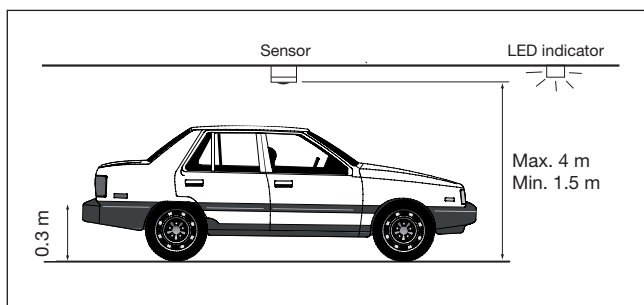
2-colour mode
In this mode the colour of the indicator is controlled directly from the sensor which in this case must have the same Dupline® address as the indicator. The reason for this mode is to offer a simplified, and in some cases more aesthetical, wiring compared to the traditional method where the indicator is connected directly to the output drive of the sensor. Instead of having a line of several sensors each with a perpendicular
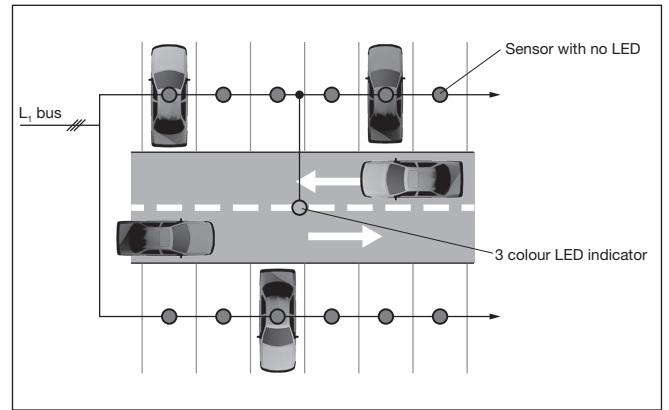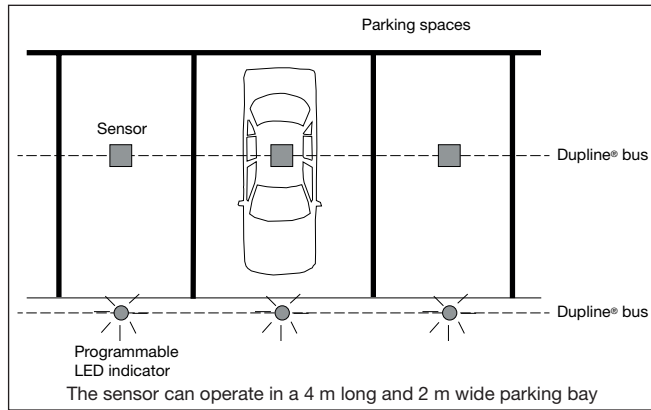
branch to the associated indicator, it is now with GP626523xx possible to have just two lines of the 3-wire bus: one line for the sensors and one line for the indicators. This way there is no need for perpendicula branches.
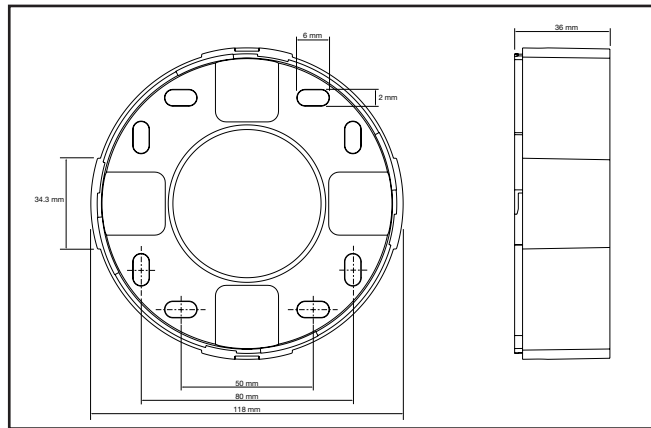
Multimode:
The LED Indicator has an option that allows the installer to decide whether to use it as "Single" or "Multimode". "Single" mode is the standard mode which is described in the section "2-colour mode" and "3-colour mode". The LED Indicator used in "Multimode" means that the installer can monitor 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.
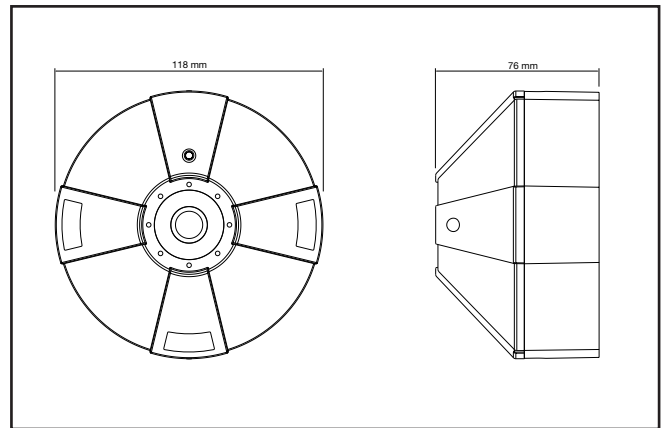
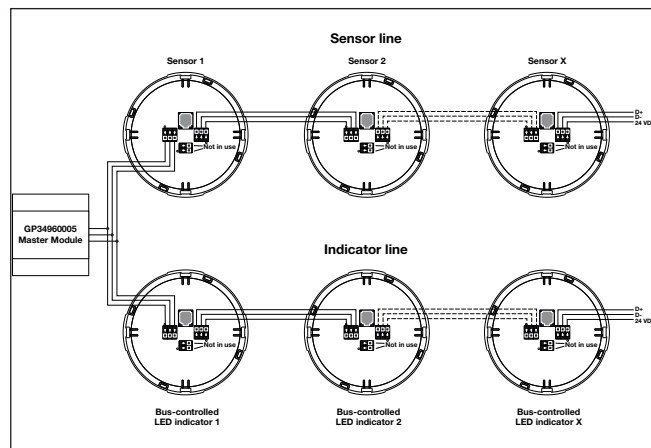Specifications are subject to change without notice (05.08.2014)

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Mode of Operation (cont.)

Parking spaces

Sensor

Dupline® bus

Dupline® bus

Programmable
LED indicator

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

L₁ bus

Sensor with no LED

3 colour LED indicator

Bottom part: mounted in ceiling

6 mm
36 mm
2 mm
34.3 mm
50 mm
80 mm
118 mm

Dimensions

118 mm
76 mm

Example of connection

Sensor line

Sensor 1   Sensor 2   Sensor X

Not in use

GP34960005
Master Module

Indicator line

Not in use

Bus-controlled LED indicator 1   Bus-controlled LED indicator 2   Bus-controlled LED indicator X

Mouser Electronics

Authorized Distributor

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GP62652302724-1 GP62652302724-1-US GP62652301724 GP62652301724-1 GP62652301724-1-US GP62652301724-US GP62652302724 GP62652302724-US GP62652303724 GP62652303724-US