

Dupline® Car Park System

Type GP6265 230x-US

Bus-controlled LED Indicator for Sensor



- 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
- GP62652301-US is a red/green/amber LED Indicator
- GP62652302-US is a red/green/blue LED Indicator
- GP62652303-US is a red/blue/amber LED Indicator
- Powered from the Dupline® 3-wire bus
- cULus approved

Product Description

GP6265 230x-US 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 controlled 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 230x-US

Type: Dupline®
Housing
Input type
Channels
Inputs

Type Selection

GP6265 2301-US	red/green/amber LED indicator
GP6265 2302-US	red/green/blue LED indicator
GP6265 2303-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	<ul style="list-style-type: none"> • 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 mm² single core wire for the sensor installation.

General Specifications

CarPark indicator 2 colour mode:		CarPark indicator 3 colour mode:	
LED CH1	The indicator uses one Dupline® output address This address defines the LED colour LED CH1 = A1	LED CH1 and LED CH2	The indicator uses two Dupline® output addresses These two addresses are used for control of the LED colour. LED CH1 = A1 LED CH2 = A2
Default address		Default address	
LED colour coding		LED colour coding	
GP6265 2301-US		GP6265 2301-US	
LED CH1 = 0	Green LED ON	LED CH1, LED CH2 = 0,0	Green LED ON
LED CH1 = 1	Red LED ON	LED CH1, LED CH2 = 0,1	Red LED ON
GP6265 2302-US		LED CH1, LED CH2 = 1,0	Amber LED ON
LED CH1 = 0	Green LED ON	LED CH1, LED CH2 = 1,1	No LED ON
LED CH1 = 1	Red LED ON	GP6265 2302-US	
GP6265 2303-US		LED CH1, LED CH2 = 0,0	Green LED ON
LED CH1 = 0	Blue LED ON	LED CH1, LED CH2 = 0,1	Red LED ON
LED CH1 = 1	Red LED ON	LED CH1, LED CH2 = 1,0	Blue LED ON
		LED CH1, LED CH2 = 1,1	No LED ON
		GP6265 2303-US	
		LED CH1, LED CH2 = 0,0	Blue LED ON
		LED CH1, LED CH2 = 0,1	Red LED ON
		LED CH1, LED CH2 = 1,0	Amber LED ON
		LED CH1, LED CH2 = 1,1	No LED ON
Note: Two-colour mode is selected by entering XX (not used) as address for LED CH2.			
		Approval	cULus (UL60950)

Mode of Operation

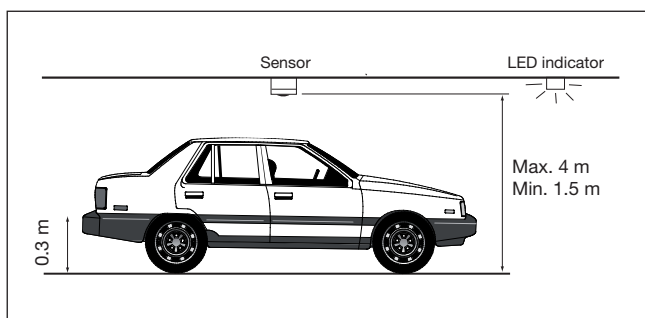
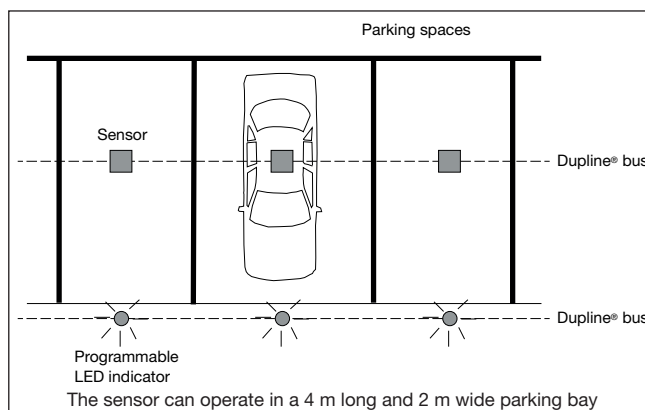
The GP6265 230x-US is connected directly to the 3-wire bus just like the sensors. The unit is to be mounted outside the parking space and it is used to indicate the status (e.g. available, occupied, booked). It can either be controlled from a PC/PLC (3-colour mode) or directly from the sensor (2-colour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

3-colour mode

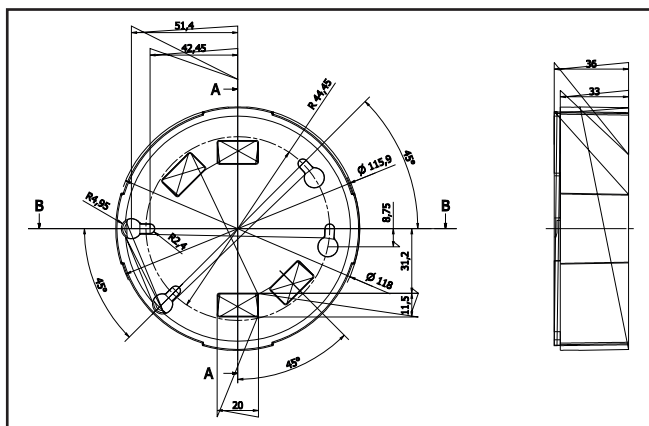
In this mode a centralized PC or PLC can be used to control the colour of the indicator. Through the RS485 modbus interface of the Carpark Master Module GP34960005 the PC/PLC can control the status of the two Dupline® bit-addresses assigned to the sensor. Each of the four bit-combinations will result in a specific indication as shown above under "Carpark indicator 3 colour mode".

2-colour mode

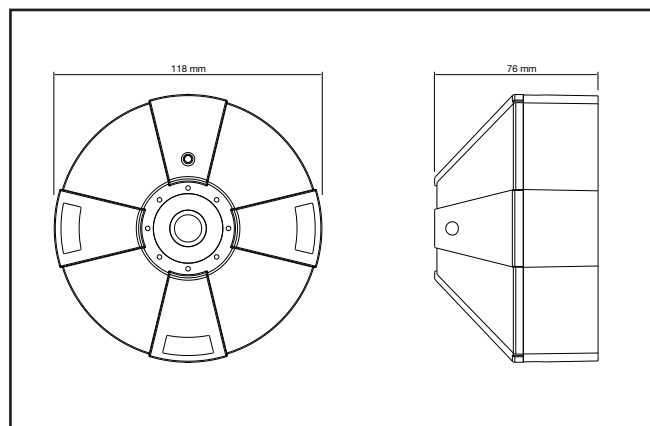
In this mode the colour of the indicator is controlled directly from the sensor which in this case must have the same Dupline® address as the indicator. The reason for this mode is to offer a simplified, and in some cases more aesthetical, wiring compared to the traditional method where the indicator 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 GP6265 230x-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 perpendicular branches.



Bottom part: mounted in ceiling



Dimensions



Example of connection

