CAR DETECTION SENSOR

This is a manual describing the SP3 detector. You can find this manual in electronic format on the Circontrol web: www.circontrol.com

⚡ Before performing any maintenance, repair or handling of any of the connections of the equipment, must disconnect the device from any power source and also the connection of measurement. When you suspect a malfunction of the equipment please contact the service. The design of the equipment allows a quick replacement in case of failure.

⚠ If the equipment is used in a way not specified by the manufacturer, the protection guaranteed by the equipment may be compromised.

1. DESCRIPTION

The ultrasound sensor detects the vehicle presence in a car place. It includes a place state luminous indicator.

2. MODELS

Model	Code	Description
SP3	460127	No color
SP3-RG	**460128**	**Red – Green**
SP3-RB	460129	Red – Blue

3. COMMUNICATION PROTOCOL

The connection between the modules and the system elements is carried out through a communications bus RS-485. The communication speed, by default, is 19200, 8, N, 1.

4. TECHNICAL CHARACTERISTICS

Power supply
Power supply	+24 Vdc +/- 10%
Consumption SP3	0,8 W
Consumption SP3-RG	1,2 W
Consumption SP3-RB	1,2 W

Serial interface
Interface	RS-485
Speed	19200, 8, N, 1

Environmental conditions
Working temperature	-10 ºC to +50 ºC
Degree of protection	IP44

Dimensions
Dimensions	Ø 100mm ; H: 44 mm

Mechanical characteristics
Box type	Policarbonate self-extinguish

5. INSTALLATION

6. WIRING

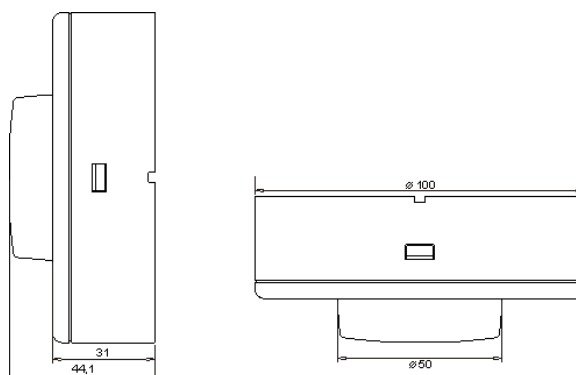| Yellow	+Vcc
White	GND
Green	A RS-485
Brown	B RS-485
Red	Occupied indication
Blue	Free indication
Grey	Common indication
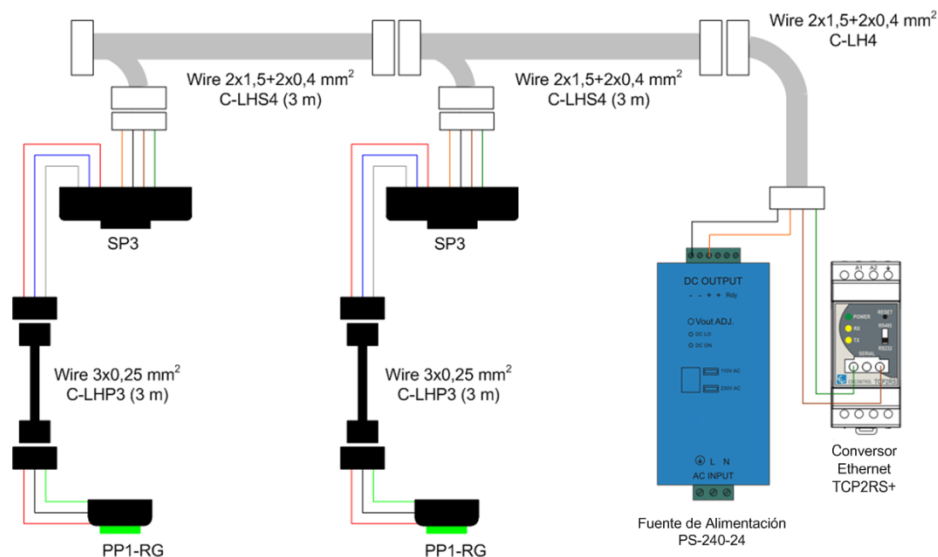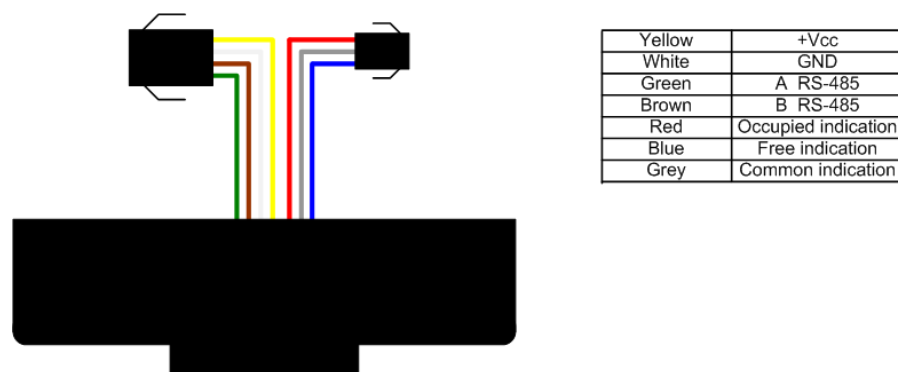
7. DIMENSIONS

8. SERVICE SUPPORT

In the event that operation or damage, call for technical service of **CIRCONTROL, S.A.**