CIRCONTROL
Mobility & eMobility

CirPark

SOLUTIONS FOR EFFICIENT PARKING

Product Catalogue 2020

Solutions for Efficient Parking

CIRCONTROL
Mobility & eMobility

CirPark Platform

The CirPark Platform manages all CirPark solutions from one site.
It is a powerful solution that integrates iPark, LEDPark and EVPark systems.
A platform made of CirPark Scada software and third party integration.
It is a multi-platform and mobile-oriented software infrastructure.
Unique platform for the complete Efficient Parking.

iPark

Intelligent Parking Guidance System including Single Space Detection and/or Area & Level Counting, and Car Finding Solutions for Indoor and Outdoor Parkings.

- Guidance System
- Counting System
- Find Your Car
- Video Surveillance

LEDPark

Efficient Led Lighting System with Low Consumption including Lighting Regulation and Energy Monitoring System (EMS) for Parkings.

- Led Park
- Energy Efficiency

EVPark

Electric Vehicle Charging System for Indoor and Outdoor Parkings.

- Electric vehicle chargers
- OCPP
- DLM
- Park&Charge
- PMS — Parking Management System integration
- CPO — Charge Point Operator integration

CirPark Platform

The CirPark Platform manages all CirPark Solutions from one site. It is a powerful solution that integrates iPark, LEDPark and EVPark systems. A Platform made of CirPark Scada software and third party integration. It is a multi-platform and mobile-oriented software infrastructure. Unique Platform for the complete Efficient Parking.

LOCAL PLATFORM

CirPark Scada Software

XML API

Application Protocol Interface
open for integrators.

CLOUD PLATFORM

CirCloud

Server Platform

Cloud API

API for integrators/operators

CirMobile

Mobile Application for Android/iOS
it consumes Cloud API

CirPark Software

CirPark Dynamic Software offers a real-time management of all Efficient Parking products which are iPark (counting, indoor/outdoor guidance and vehicle localization), LEDPark (regulated lighting control and energy efficiency) and EVPark (control of electric vehicle charging equipments).

CirPark Scada Software

CirPark Scada Software allows real-time management of all Cirpark products:

iPark: counting, indoor/outdoor guidance and vehicle location.
LEDPark: regulated lighting control and energy efficiency.
EVPark: control of electric vehicle charging equipments.

It allows controlling the occupation, introducing a map of the installation, and creating visualization screens of the occupancy, crossing zones, statistics, reports and logic of operation and alarms.

Multiclient and cross-platform software. Connection via multiplatform web browser or through Windows O.S. program. Integration via XML API. Mail server and RSS. Monitoring of IP cameras. Integration and monitoring of third party system using API. License for unlimited number of parking spaces.

CirCloud & CirMobile

Nowadays cloud technologies offer a wide range of opportunities to access and manage your data anywhere you are.

With CirCloud Platform you can access and manage data received from all car parks that use Circontrol technology.

You can also share this information and make it available worldwide downloading CirMobile app (available for Android and iOS). With this app your potential customers will be able to see available spaces whether they are regular ones, handicapped or EVCharge and be guided to them.

Download CirMobile now and increase your parking visibility worldwide!

GET IT ON Google play

Download on the App Store

iPark

iPark is one of the most impressive and long-lasting systems on the market for Guidance, Find Your Car and Counting Systems. Integrated within the CirPark Platform, it becomes a powerful management tool that optimises the traffic in car parks and provides user satisfaction, giving them the information they need, when they need it. Operators, on the other hand, have an excellent tool to gain the loyalty of their customers, optimise traffic and occupancy, and reduce maintenance and operation.

Guidance System

Indoor/Outdoor Dynamic Guidance system that manages the user information in order to optimise the occupancy and traffic of the parking facilities. Ultimate technology sensors and panels, plug&play and long-lasting. Worldwide product range oriented.

Counting System

Level & Area counting system with full range of detectors and panel display information for Indoor & Outdoor parking facilities.

Find Your Car

Powerful system able to provide car-finding solutions based on License Plate Recognition within lanes or in each parking space, offering users the location and route to their own car via the user application.

Guidance system

Optimises traffic in car parks and provides user satisfaction by giving them the information they need

Owner Benefits

· Customer Loyalty and Car Park reputation.
· Efficient Traffic and Occupancy management.
· Operational and Maintenance Reduction costs.
· Full remote control system with auto-pilot operability.
· Completely customizable Reports, RealTime Screens and HeatMaps.
· Manage Guidance, Ilumination & EVChargers from one site.

Customer Benefits

· Less time spent on locating free parking spaces.
· Less stress and increased ease of parking.
· Easy Location of Handicapped, EVCharge & Reserved places.

Sensors

Front-End Bay Sensor
INDOOR

Centre Bay Sensor
INDOOR

Camera based sensor
INDOOR

Outdoor guidance
OUTDOOR

Displays

VMS Range
INDOOR

RGB Range
INDOOR / OUTDOOR

Panel Parking
INDOOR/OUTDOOR

Control

Converter
INDOOR/ OUTDOOR

Controller
INDOOR/ OUTDOOR

License
INDOOR/ OUTDOOR

Server
INDOOR/ OUTDOOR

Accesories

Wiring
INDOOR

Fixing Elements
INDOOR

iPark / Guidance System / Sensors

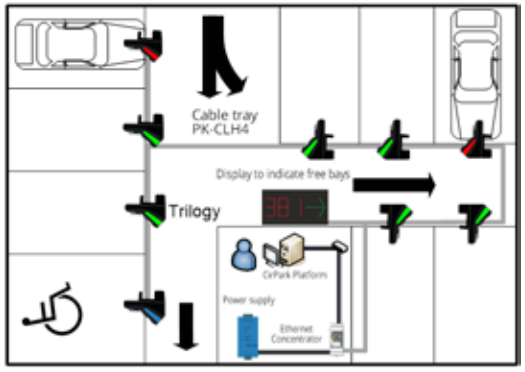
Front End Sensors

TRILOGY
460315T

Ultrasonic Sensor RGB LED indicator and LED lighting system for the detection and indication of the occupation status and for a courtesy lighting of the parking space. High brightness RGB LED indicator Power: 24/48 Vdc. Consumption: 5 W. Communications: RS-485. It has connector for Power+Data. Extended Temperature Range -20 to 60°C. Remote Configurable Firmware. Sensing distance and brightness intensity adjustable by software. Recommended installation height between 2 and 2.75 meters. IP54 Protection.

BILOGY
460313T

Ultrasonic Sensor and RGB LED indicator for the detection and indication of the occupancy status of the parking space. High brightness RGB LED indicator Power: 24/48 Vdc. Consumption: 1.5 W. Communications: RS-485. It has connector for Power+data. Extended Temperature Range -20 to 60°C. Remote Configurable Firmware. Sensing distance and brightness intensity adjustable by software. Recommended installation height between 2 and 2.75 meters. IP54 Protection.



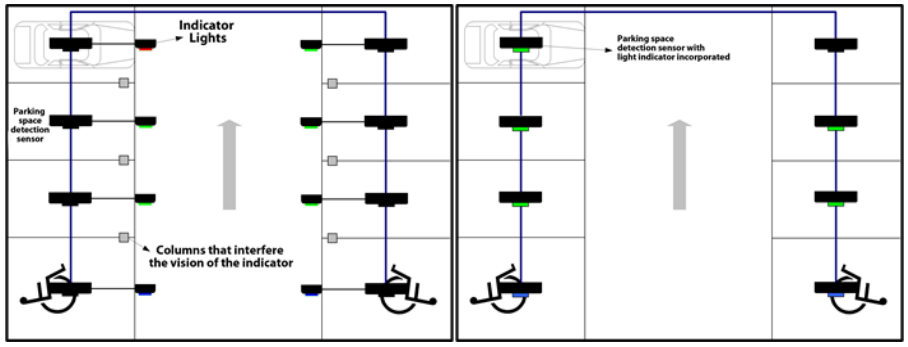
Centre of Bay Sensor+Indicator

SP3-RG
460128

Ultrasonic sensor and Indicator light on the same equipment, for the detection and indication of occupancy status of the parking space. Power+data Connector and external light connector. Power supply: 24 Vdc. Consumption: 1.2 W. Communications: RS-485. Extended Temperature Range -10 to 50°C. Remote Configurable Firmware. Recommended installation height between 2 and 3 meters. Detection distance adjustable by software. It has Red-Green LED indicator.

SP3-RB
460129

Ultrasonic sensor and Indicator light on the same equipment, for the detection and indication of occupancy status of the parking space. Power+data Connector and external light connector. Power supply: 24 Vdc. Consumption: 1.2 W. Communications: RS-485. Extended Temperature Range -10 to 50°C. Remote Configurable Firmware. Recommended installation height between 2 and 3 meters. Detection distance adjustable by software. It has Red-Blue indicator.



Camera based sensor

KSENSOR
460810

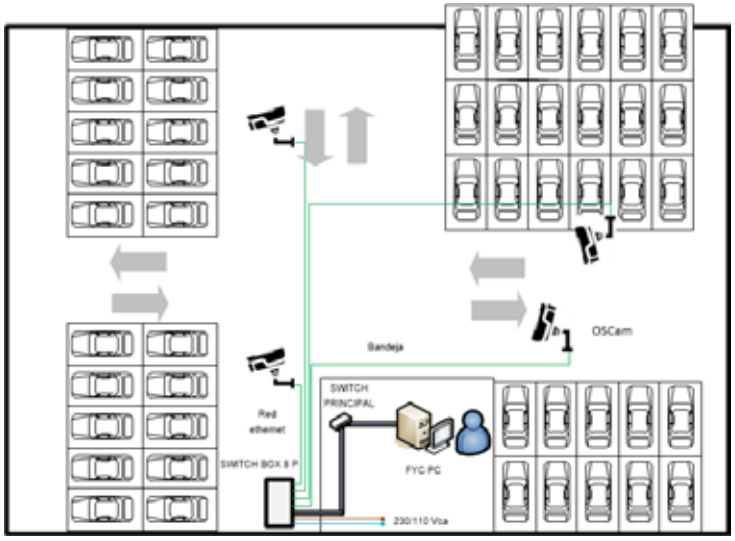
Camera-based sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of its two integrated cameras. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection.

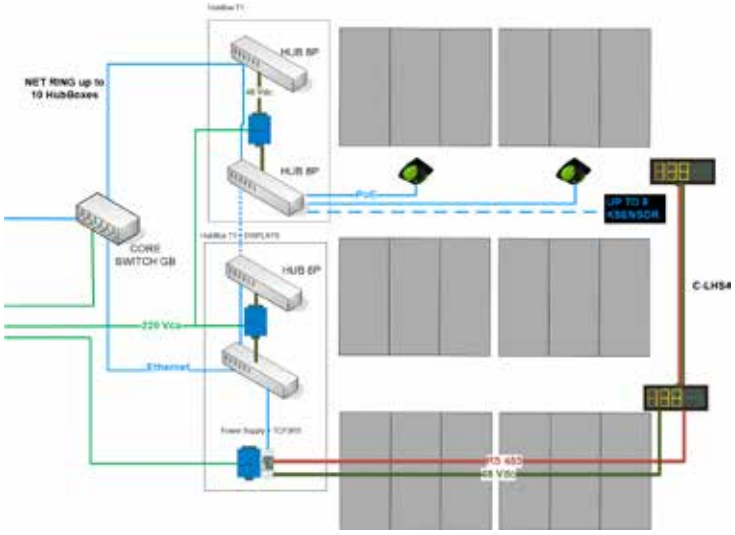
KSENSOR C1
460810C1

Camera-based sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of it one integrated camera. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection.

OSCam
460833

Outdoor camera to detect vehicles in parking areas individually. Power Supply: DC 12V PoE Consumption: 8.5W Communications: Ethernet (RJ45) Extended Temperature Range -30 °C to +60 °C Remote configurable. Recommended Installation height: 20 meters. IP67 Protection.





iPark / Guidance System/ Displays

VMS
Indoor/Outdoor Displays

VMS-125-8M
460828

Indoor/Outdoor display in configuration ['P' symbol + 4 digits + Cross/Arrow]. RGB LED Matrix. Customizable Symbol by software. Text of 8 characters or scroll up to 15. Power: 24/48 Vdc. Consumption 22W. Communication: RS-485. Brightness intensity adjustable by software. Digit height 128 mm. Dimensions: 128 x 512 x 76 mm.

VMS-200-4M
460829

Indoor/Outdoor display in configuration ['P' symbol + 2 digits + Cross/Arrow]. RGB LED Matrix. Customizable Symbol by software. Text of 4 characters or scroll up to 15. Power: 24/48 Vdc. Consumption 35W (Max.) Communication: RS-485. Brightness intensity adjustable by software. Digit height 192 mm. Dimensions: 384 x 78 x 192 mm.

RGB
Indoor Display

DX3-RGB
460666

Indoor display in mode: [3 digits + Cross/Arrow]. RGB LEDs with 120° angle. 8 predefined digit colors. Digit height 125 mm. Right / Left and Up / Down controllable arrow. Arrow: Green/Red and Cross: Red. Indication of free places and address. Display "FULL" or "000 Arrow/Cross". Power supply: 48-24 Vdc. Maximum consumption: 18 W. Communications: RS-485. Dimensions: 404 x 165,23 x 39 mm.
Stock on demand.

RGB
Outdoor Display

DX3-RGB-O
460666-O

Outdoor display with [3 digits + Cross/Arrow]. RGB LEDs with 120° angle. 8 predefined digit colors. Digit height 125 mm. Right / Left and Up / Down controllable arrow. Arrow: Green/Red and Cross: Red. Indication of free places and address. Display "FULL" or "000 Arrow/Cross". Power supply: 110-220 Vac +/- 15%. Maximum consumption: 18 W. Communications: RS-485. Dimensions: 404 x 165,23 x 39 mm. IP54.
Stock available.

iPark / Guidance System / Outdoor Displays

Panel Parking

Display SPACES / FULL
460808-EN/ES/FR/CAT

Display LED outdoor Text available in 4 languages: English (SPACES/FULL), French (LIBRE/COMPLET), Spanish (LIBRE/COMPLETO) and Catalan (LLIURE/COMPLET). LED 5mm. Colours: green/red. Digit height: 82mm. Input power: 230 V 50Hz.

Dimensions: 750 x 250 x 100mm
English 460808-EN
Spanish 460808-ES
French 460808-FR
Catalan 460808-CAT

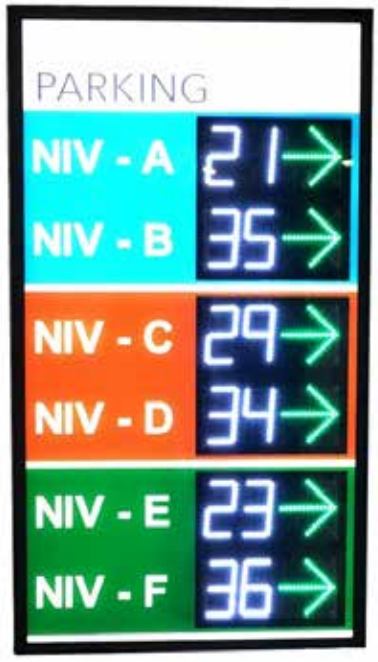
Panel Parking 'P' with SPACES / FULL display
460807-EN/ES/FR/CAT

Panel Parking 'P'with OPEN/CLOSED display.
Structured made off 2 mm aluminium plate. Folded and welded, painted in textured black epoxy. Backlight by LED. Dimensions: 1200mm x 940mm x 130mm. Available in 4 languages: English (SPACES/FULL), French (LIBRE/COMPLET), Spanish (LIBRE/COMPLETO) and Catalan (LLIURE/COMPLET). 6mm front antivandal polycarbonate with translucent vinyl labelling. Window with display visualization and solar protection film.

English 460807-EN
Spanish 460807-ES
French 460807-FR
Catalan 460807-CAT

Panel Parking
460187

Panel with information about the capacity of the car park, per floor or overall. 2-3-4 digit displays.
Panel with information about the capacity of the car park, per floor or overall. 2-3-4 digit displays. Advanced, Basic and Outdoor Displays. Communication: RS-485. Digit colour: RGB or Red. Brightness intensity adjustable by software.



iPark / Guidance System / Control

Gateways & Controllers

TCP3RS
460803

Industrial RS-485 to TCP-IP Ethernet communication converter.
RS-232/RS-485 opto-isolated port. Input power: 230 V AC. Consumption: 2 VA. DIN rail.

Software Licenses

CirPark Scada
610105

Car park management Scada software.
Full version.

CirPark Scada Software 1000 Bays
610105-1K

Car park management Scada software.
Limited to 1000 parking spaces.

CirPark Scada Software LT
610111

Car park management Scada software.
Limited to parkings with no Single Bay Sensor Guidance.

OSCamLicense
460832

License for OSCam outdoor camera.
One license for each parking space.

OSBayLicense
460832

License for outdoor parking spaces detected by an OSCam.
One license for each parking space.

Servers

Computer Equipment for CirPark systems. Standard PC. Intel Core i3 10th gen. 8GB RAM memory. 256 GB Solid-State Drive. O.S windows Win10 Pro. Customized work desktop, users, protections and language.

PK-CPU-ES Spanish version
460310

PK-CPU-EN English version
460311

CONEC-PARK
460199

CarPark concentrator to manage autonomously iPark systems with a 500 bay capacity parking, LEDPark lighting and energy efficiency systems and evPark charge stations for electrical vehicles. It includes an embedded CirPark Scada Engine. Power with 230Vca.

ECCUPARK
460809

Parking Concentrator, with Management and Information storage capacity. Control of equipment throught bus 485 for iPark counting systems, LEDPark lighting and energy efficiency systems as well as EVPark charging stations. Perfect device for automation purposes. Incorporates a CirPark Scada embedded limited distribution. It has 8 digital inputs and 6 relay outputs. 10BaseT / 100Base TX Ethernet Port. 230 Vac power supply. Informative Display with touch buttons. 3G connection with SIM (not included).

Accessories

PK-TFT
460204

TFT 22" Wide Screen with high resolution

PK-SWITCH 8P
460205G

Gigabit Switch 8 ports 10/100/1000 Mbps

PK-SWITCH 16P
460206G

Gigabit Switch 16 ports 10/100/1000 Mbps

FYC-HUB8POE
460703

Ethernet Signal Concentrator for a máximum group of 48 parking spaces with 8 Ksensors. Includes an industrial PoE switch for the group of Ksensors.

PSC-240-24
200520

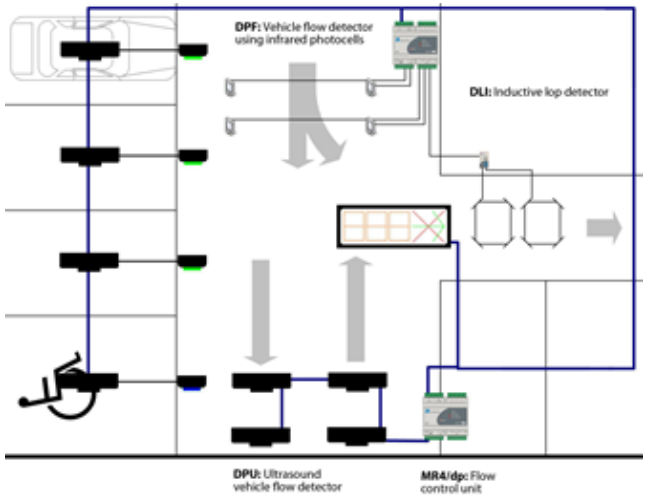
Switched power supply. Input power: 230 V AC. Output voltage: 24 V DC. Power: 240 W. DIN rail.

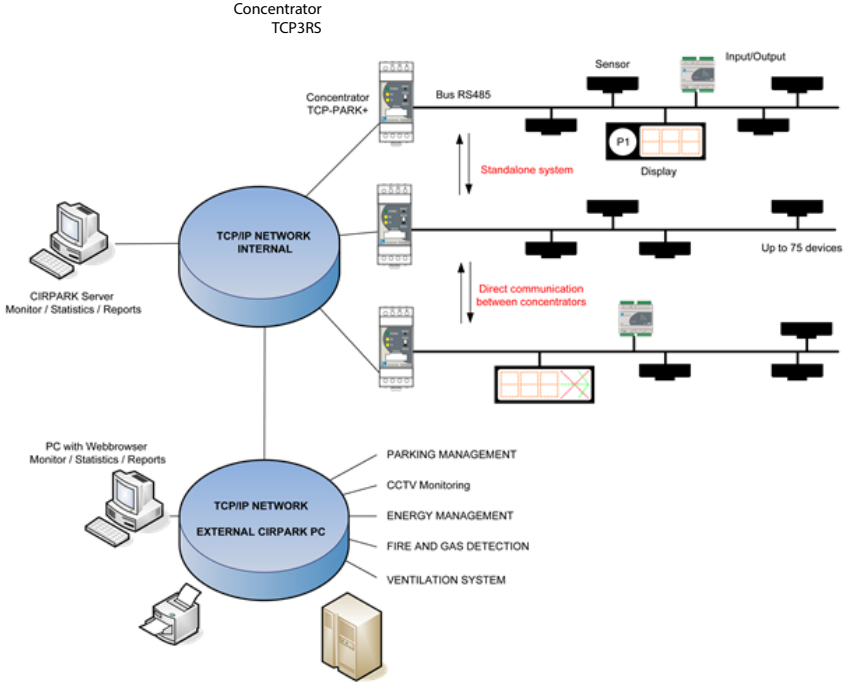
PSC-240-48
200526

Switched power supply. Input power: 230 V AC. Output voltage: 48 V DC. Power: 240 W. DIN rail.

PSC-480-48
460224

Switched power supply. Input power: 230 V AC. Output voltage: 48 V DC. Power: 480 W. DIN rail.



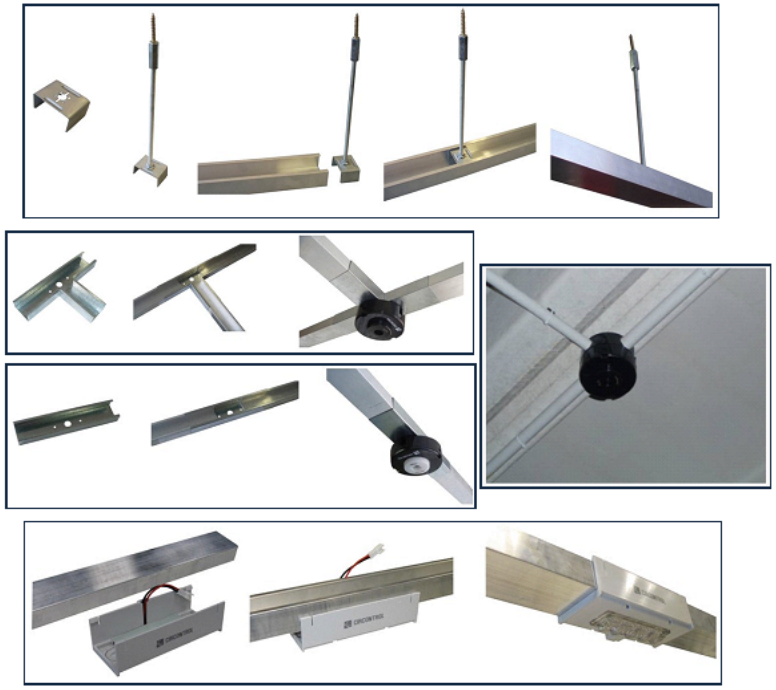


iPark / Guidance System / Accesories

Guidance Accesories

PK-CLIP-1K
460161

Sturdy clip for securing the SP series sensors and indicator lights.
For clamping in metal tray or pk-socket accessory. 1000 pcs bag



Fixings

PK-SOCKET - KSENSOR
460285

Polycarbonate socket for Ksensor and Ksensor C1 pipe installations. 25-mm tube for ethernet cable.

PK-SOCKET BI BILOGY/TRILOGY
460287

Polycarbonate socket for Bilogy and Trilogy pipe installations. 25-mm tube for connecting sensors.

PK-SOCKET
460159

Polycarbonate socket for SP3 and DPU pipe installations, 25-mm tube for connecting sensors and 20-mm tube for connecting the light indicator sensor.

PK-TPPx
460173

Black plastic accessory for mounting the space indicator PPx.

PK-CP245
460170

Blind aluminium tray, 48 mm wide and 2.45 m long.

PK-CP80T
460686

Galvanised-steel accessory to cover the tray. External clip subjection. Openings to introduce the equipment cables inside the tray. 80cm long.

PK-CP050
460171

Blind aluminium tray, 48 mm wide and 0.5 m long.

PK-CP50T
460691

Galvanised-steel tray cover. External clip subjection. Openings to introduce the equipment cables inside the tray. 50cm long. Used for the Front End sensors bilogy or trilogy.

PK-PUC
460176

Galvanised-steel accessory for attaching the channel to the ceiling.

PK-G
460687

Galvanised-steel accessory in a G shape for attaching the channel to the ceiling. Holds the tray for the outside making the installation faster an easier.

PK-E
460175

Galvanised-steel accessory for joining trays.

PK-C
460174

Galvanised-steel accessory at a 90° angle.

PK-TSS
460172

T-shaped galvanised-steel accessory to install the SP sensor series.

PK-ESS
460179

Galvanised-steel accessory to install the SP sensor series. Used at the end of a tray line.

Wiring

C-LHS4
460115

3-m halogen-free hose-cable, to connect sensors of SP series, Bilogy or Trilogy. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.
**Other lenghts available under request*

C-SS4-T
460152

3-m halogen-free hose-cable, to connect sensors of SP series, Bilogy or Trilogy. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus. Specially designed for installation inside a tube.
**Other lenghts available under request*

C-LHP3
460116

3-m halogen-free hose-cable, for the connection between SP sensor series and its own indicator. 3 x 0.75 mm2.
**Other lenghts available under request*

C-LH4
460117

100-m halogen-free hose-cable extending the row of devices. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

C-DD40-P
460293

40cm halogen-free hose-cable, to connect displays internally inside Panel parking. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

Cable Cat.5 (305mts)
230003

305-m UTP communication cable, category 5. Unshielded cable, four twisted pairs WG26.

Counting system

Level & Area counting system with full range of detectors and information panels for Indoor & Outdoor parking facilities.

This system offers 3 different types of detection to control the access into different areas with reduced equipment and high levels of accuracy.

It includes Autonomous Control Units to automatize the counting and control of any area. This is possible with embedded CirPark Scada that makes this system smart.

Detectors

Inductive Loop Detectors
INDOOR/OUTDOOR

Photocell crossing-zone Detectors
INDOOR/OUTDOOR

Ultrasonic crossing-zone Detectors
INDOOR/OUTDOOR

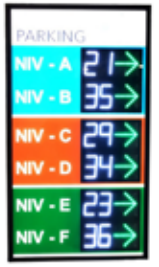
Displays

VMS Range
INDOOR

RGB Range
INDOOR / OUTDOOR

High Luminosity Range
OUTDOOR

Panel Parking
OUTDOOR



Control

Control Unit for crossing-zone detectors
INDOOR/ OUTDOOR

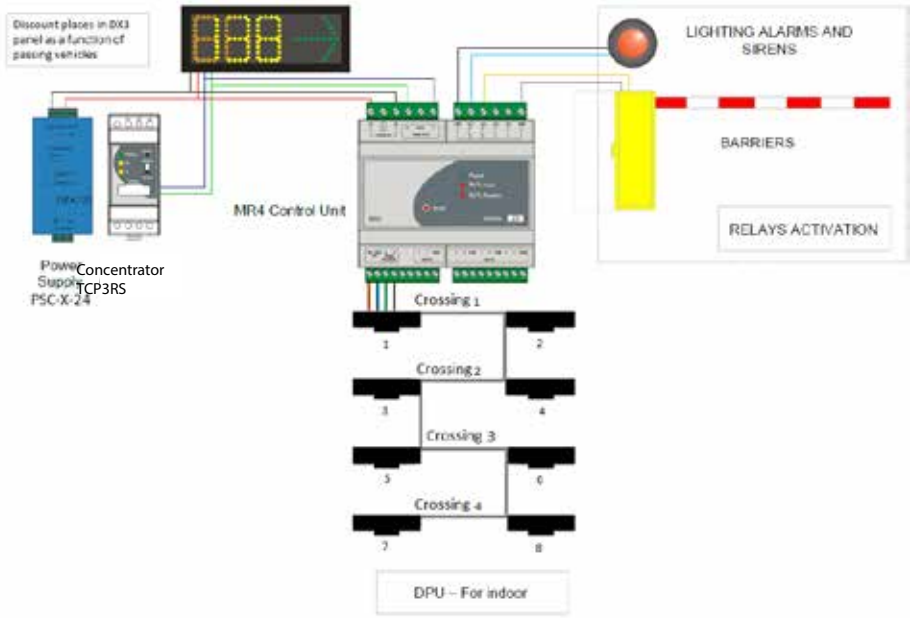
Controller
INDOOR/ OUTDOOR

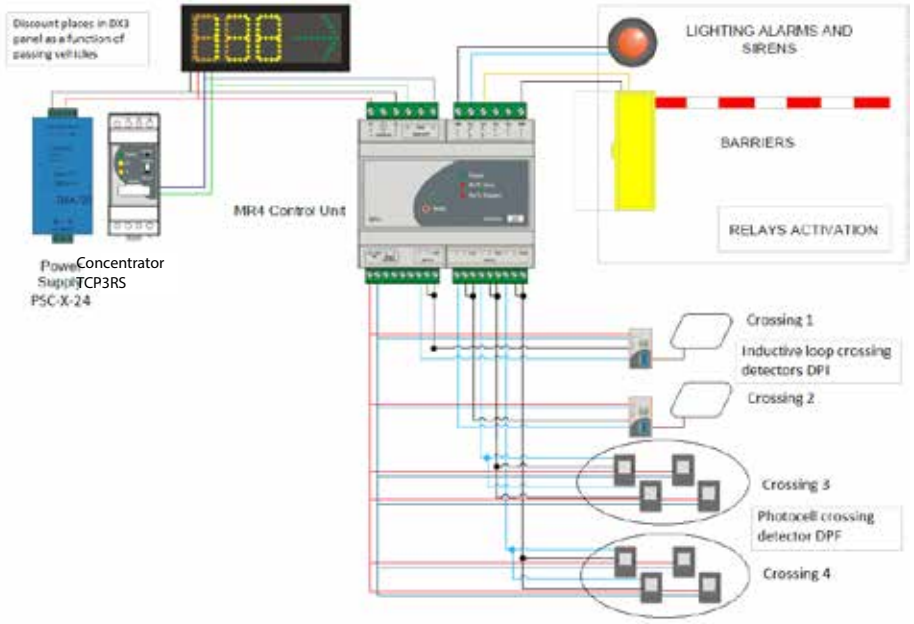
Converter
INDOOR/ OUTDOOR

Server
INDOOR/ OUTDOOR

Ecupark
INDOOR/ OUTDOOR

License
INDOOR/ OUTDOOR





iPark / Counting System

Detectors

MR4/dp-48
460804

Vehicle counting equipment. Control unit for inductive loop, photocell or DPU pass detectors. Power supply: 24/48 Vdc. Consumption: 1 W + (Number of zones x 1,6 W). Communications via RS-485. 8 digital inputs for control of up to 4 pass-zones. Additional RS-485 input for control of up to 4 DPU. Incorporates 4 relay outputs for automation, depending on the occupation. Storage memory for the 4 pass-zone counters. Auxiliar output: 24 Vdc

DPF
460114

Vehicle flow detector using infrared photocells. Set of two modules with two photocells each (transmitter-receiver). Input power: 24 V DC. Activation by digital input in MR4/dp.
Powered directly from MR4/dp-48.

DPU
460133

Ultrasound vehicle flow detector. Set of two ultrasound sensors. 24 V DC input power. Consumption: 2 x 0.8 W. Communication: RS-485 with MR4/dp. Socket for installation in tube included.
Powered directly from MR4/dp-48.

LC-720
460503

Infrared detector, 90° wall, 1000 W load, 12 m, for pedestrian detection and intelligent management of lighting systems. Input power: 220 V AC

DLI-24
460219

Inductive loop detector. Input power: 24 V DC. Consumption: 1.5 VA. Control with one inductive loop. Activates a relay when a detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection.
Powered directly from MR4/dp-48.

DLI-PARK-24
460220

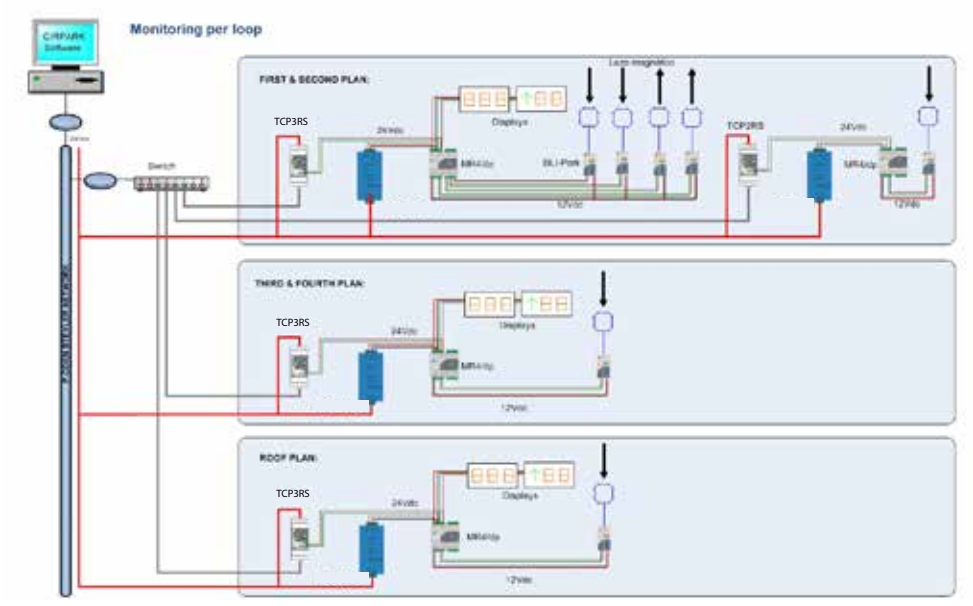
Inductive loop detector. Input power: 24 V DC. Consumption: 1.5 VA Control of two inductive loops. Activates a relay when detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection. Powered directly from MR4/dp-48.

Panel Parking

Panel Parking
460187

Panel with information about the capacity of the car park, per floor or overall. 2-3-4 digit displays. Consumption: 2.5 - 4 W per panel. Communication: RS-485. Digit colour: amber - red. Brightness intensity adjustable by software.

- 24/48 Vdc if TCP3RS is located outside
- 220 Vac if TCP3RS is located inside



Control & Software

TCP3RS
460803

Industrial RS-485 to TCP-IP Ethernet communication converter. RS-232/RS-485 opto-isolated port. Input power: 230 V AC. Consumption: 2 VA. DIN rail.

ECCUPARK
460809

Embedded CirPark Control Unit working as a Parking Concentrator, with Management and Information storage capacity. Control of equipment throught bus 485 for iPark counting systems, LEDPark lighting and energy efficiency systems as well as EVPark charging stations. Perfect device for automation purposes. Incorporates a CirPark Scada embedded limited distribution. It has 8 digital inputs and 6 relay outputs. 10BaseT / 100Base TX Ethernet Port. 230 Vac power supply. Informa-tive Display with touch buttons. 3G connection with SIM (not included)

CONEC-PARK
460199

CarPark concentrator to manage autonomously iPark systems with a 500 bay capacity parking, LEDPark lighting and energy efficiency systems and evPark charge stations for electrical vehicles. It includes an embedded CirPark Scada Engine. Power with 230Vca.

Find Your Car

Powerful system able to provide car-finding solutions based on QR Code or License Plate Recognition within lanes or in each parking space, offering users the location and route to their own car via the user application.

Features

License Plate Recognition by lane or within defined zones in small parkings to facilitate user's car location.

Car Recognition within each special parking space, such as EV charging spaces or reserved VIP bays.

Combining Find Your Car with CirPark Guidance System provides a car location service with great reliablity.

Cameras

Ksensor
INDOOR

Lane Cameras
INDOOR/OUTDOOR

Terminal

Kiosk User Interface
INDOOR

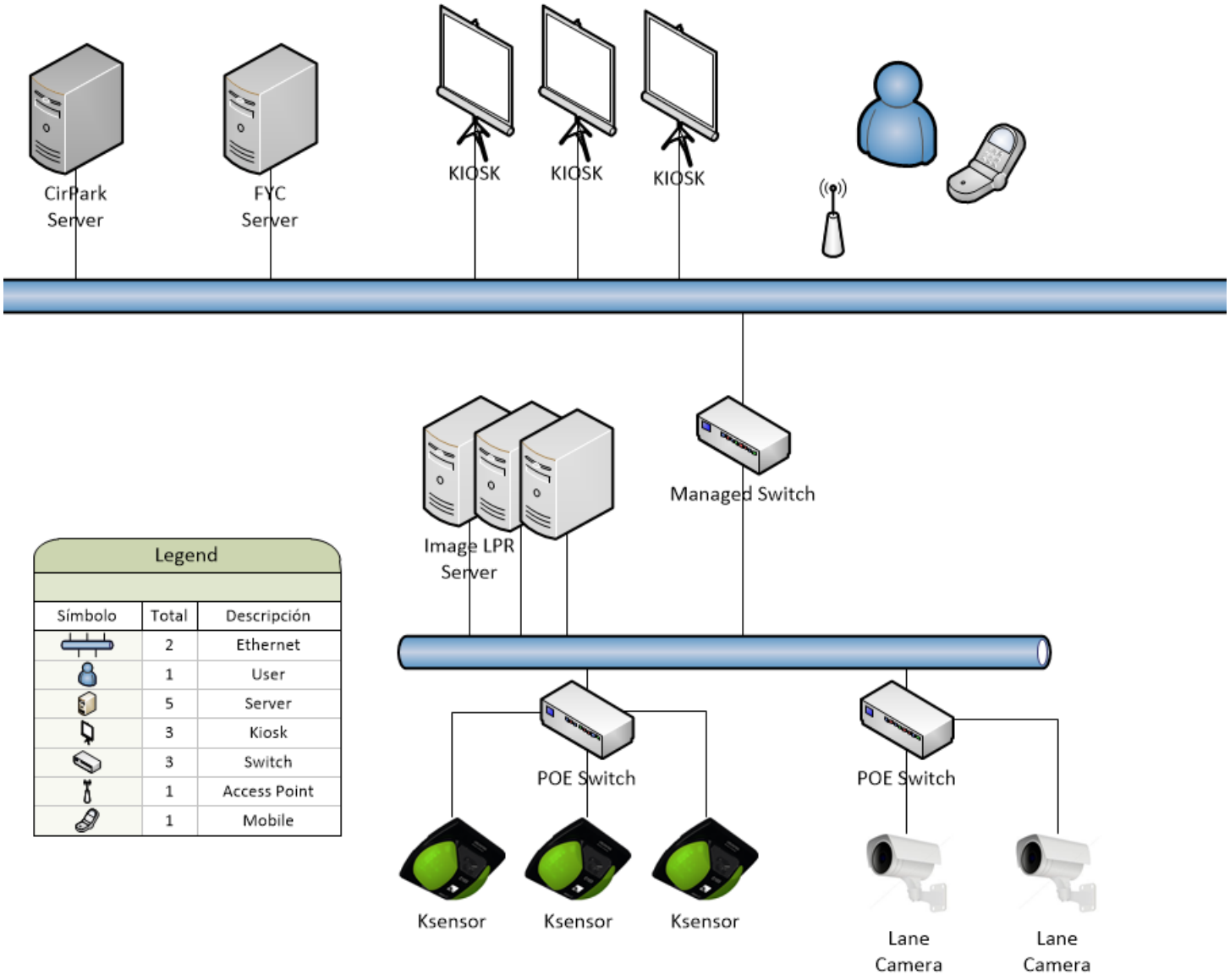
Control

Switch POE
INDOOR

Main Gigabit Ethernet Switch
INDOOR

Server
INDOOR

License
INDOOR



Legend		
Símbolo	Total	Descripción
	2	Ethernet
	1	User
	5	Server
	3	Kiosk
	3	Switch
	1	Access Point
	1	Mobile

iPark / Find Your Car

Camera based sensors

Ksensor
460810

Camera-based sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of its two integrated cameras. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection

Ksensor C1
460810C1

Camera-based sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of it one integrated camera. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection

FYC-LANECAM V
460710V

Bullet Camera with autozoom 2.8-12mm and vandalproof for LPR by zone. 3MP resolution (H.264/H.265). IR cut filter with 60m range. External POE included. HD lens 1/2,9" SONY sensor CMOS low ilumination. It works with FYC-FREEFLOW-1Z license.

Terminal

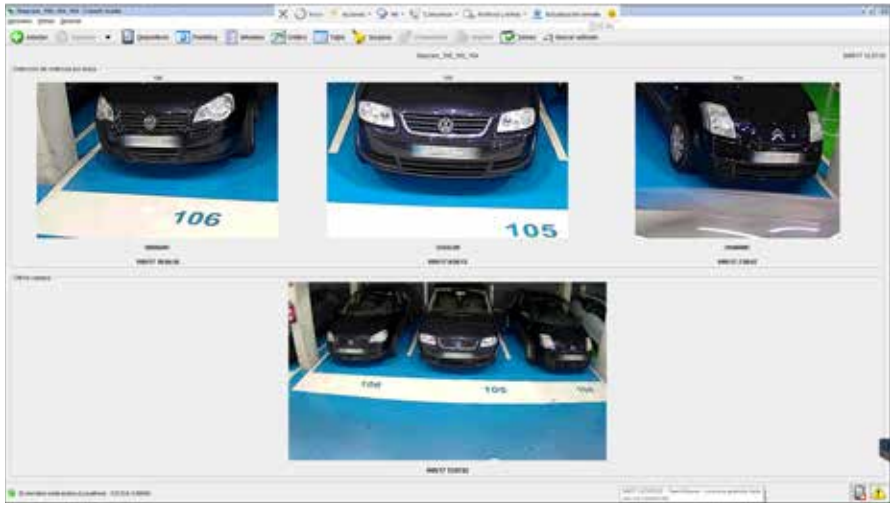
FYC-KIOSK
460722

FYC Kiosk, User Interface for Find Your Car system made with galvanic iron. 22" panoramic touch screen. 220Vca/100W power and Ethernet output.

Control

SWITCHBOX POE
460720

Ethernet Signal Concentrator for a maximum group of 21 bays with 3BAYCAM LPR cameras. Inlcudes an industrial POE switch for the group of cameras.



Software

FYC-SERVER
Standard 460790-1
Deluxe 460790-2

Server for FYC image processing in static mode (FYC-LIC-IMAGELPR max 1000 bays) or used for as the platform for FYC software (FYC SOFTWARE). Includes License Plate Recognition Program.
Minimum requirements: 4 cores equipment with i7 CPU or higher, 8GB RAM memory, 500GB HD and Windows 10 Pro.
Specification of the FYC-SERVER will be according to the number of zones/levels in FreeFlow mode or the number of PK Spaces in Static Mode.

FYC-IMAGELPR LICENSE
460750-2

License Plate Recognition for parking space.

LEDPark

Regulated LED Light system with LED technology, integrated with parking guidance and managed accordingly with real-time occupancy and pedestrian movements. Consumption reduction via Energy Efficiency management. Installation and Maintenance cost reduction thanks to its low power consumption and long-lasting equipment.

Consumption reduction via Energy Efficiency management

LED Park

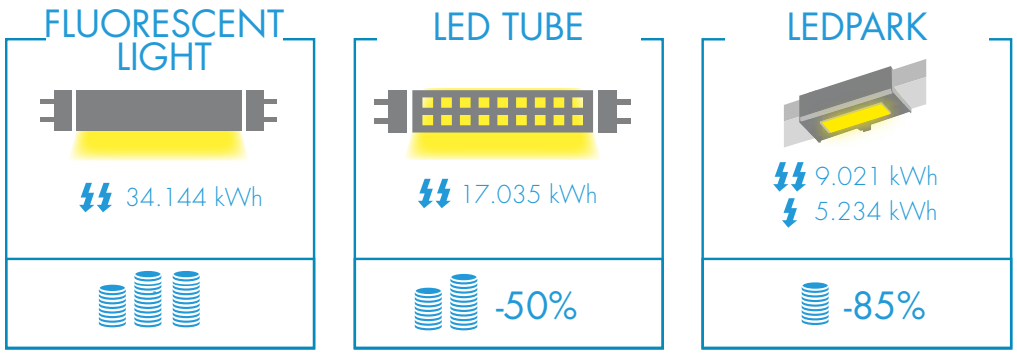
Regulated LED Light equipment with low power consumption. Integrated into CirPark Platform for a full automatic and unattended control.

Energy Efficiency

Consumption and Energy control with integrated management into CirPark Platform for eco-friendly LEED certification.

Owner Benefits

Real parking data obtained by Oficial Laboratory



Less than 3 years of Return on Investment, giving high levels of illumination and reducing energy and maintenance costs.

LEDPark

Lighting Modules

BL-Park-S
460651

LED module, regulated, of the LED-park system. Maximum Consumption: 4W. Anchor bracket in iPark tray and built-in cooling plate. Connection via cable with connector.

DL-PARK-2
460653

Power Driver for LED Lighting Control. Management Capacity 3 BL-PARK-S, with an output power of 3W per BL-PARK-S. 3 cable Input connection from Power supply 48Vdc and regulation from CL-PARK-2..

TCP3RS
460803

Industrial RS-485 to TCP-IP Ethernet communication converter. RS-232/RS-485 opto-isolated port. Input power: 230 V AC. Consumption: 2 VA. DIN rail.

Lighting Control

CL-PARK-2
460802

Header controller of the LEDPark. Power control over voltage regulation 0-10V. RS485 output for control from CIRPARK Software. One module per power supply and for control of up to 30 DL-PARK series drivers.

PK-ENERGY KIT
460188

Car park energy management kit. Can be used to manage and control the energy consumption of the car park. Kit made up of one CVM-MINI grid analyser + one three-phase measurement transformer. For new electrical cabinets installation.

PK-ENERGY KIT-2
460914

Car park energy management kit. Can be used to manage and control the energy consumption of the car park. Kit made up of one CVM-MINI grid analyser + one three-phase measurement transformer. For existing electrical cabinets, due to its easy placement thanks to the new teroidal clip.

PSC-480-48
460603

Switched power supply. Input power: 230 V AC. Output voltage: 48 V DC. Power: 480 W. DIN rail.

KIT-PK-SAI-LED

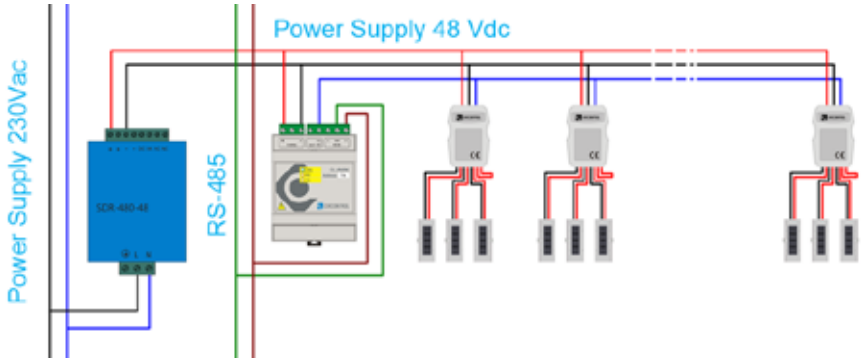
460614

Super Long Life UPS module Ni-MH (nickel-metal hydride). Includes PSC-57 constant current source and switching relay. Rated output voltage: 43.2V. Constant current load. Capacity for 400W charging load, equivalent to 1 hour of uninterrupted illumination with the LEDPark system. Extended Temperature Range. It allows communication with SCADA Software for battery status awareness.

PK-CP245

460170

Blind aluminium tray, 48 mm wide and 2.45 m long.



Lighting Accesories

PK-TSS
460172

T-shaped galvanised-steel accessory to install the SP sensor series.

PK-T
460609

T-shaped galvanised-steel accessory without holes, to install the bilogy or trilogy in the LEDPark system.

PK-E
460175

Galvanised-steel accessory for joining trays.

Lighting Wiring

CB-PARK

Wiring unit for connecting DL-PARK-2 to each BL-PARK-S 2 x 0.50 mm2, including halogen-free connectors and wiring.

CB-PARK-60
460605

60 cm wiring unit.

CB-PARK-80
460605A

80 cm wiring unit.

CB-PARK-150
460606

150 cm wiring unit.

CB-PARK-210
460613A

210 cm wiring unit.

CB-PARK-500
460613A

500 cm wiring unit.

CB-PARK-750
460615

750 cm wiring unit.

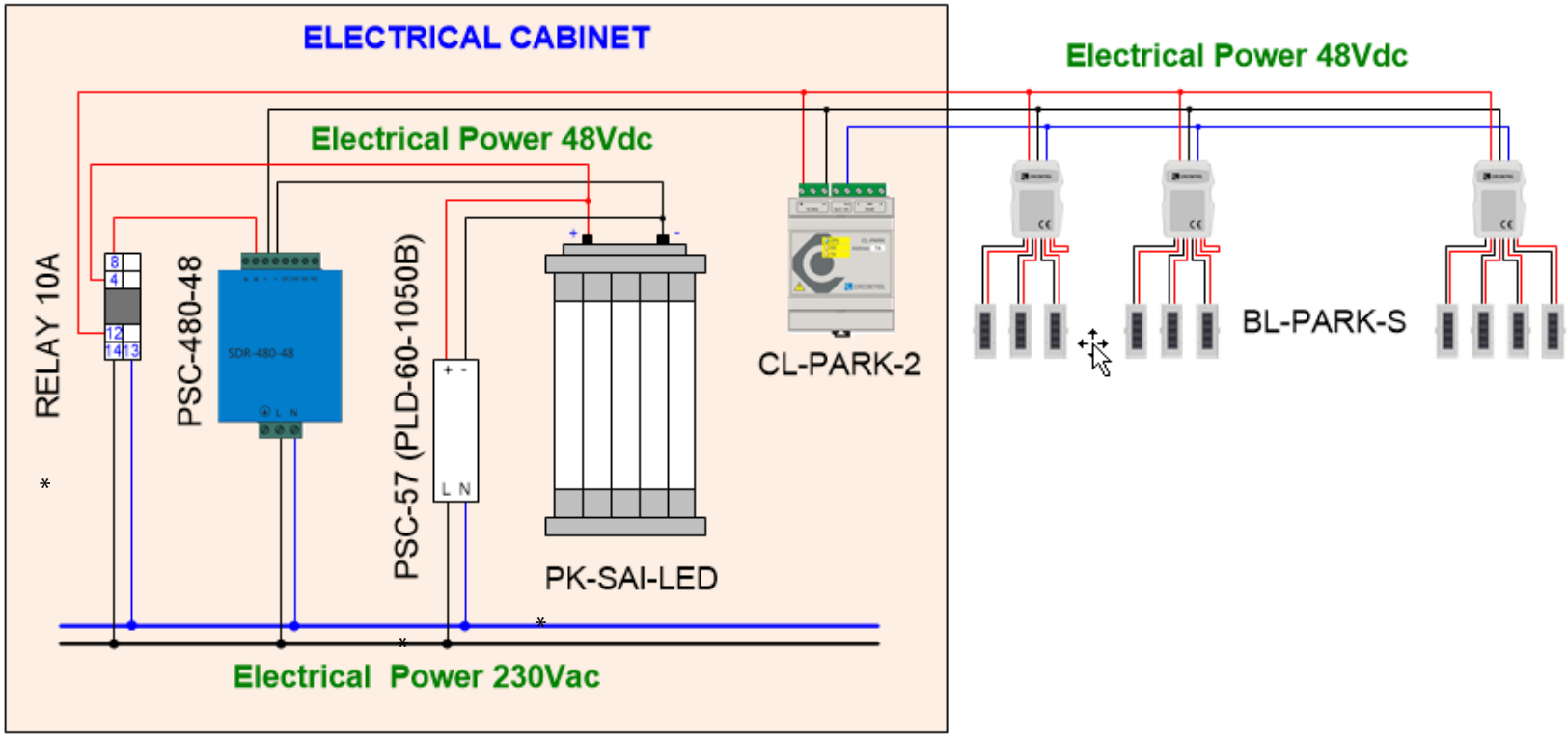
C-BL
460607

100-m Halogen-free power and control-signal wiring for the DL-PARK systems installED: 2 x 6 mm2 + 1 x 0.34 mm2 To be used from electrical cabinet until first driver.

C-LH4
460117

100-m halogen-free hose-cable extending the row of devices. 2 x 1.5 mm2 power cable + 2 x 0.34 mm 2 twisted and shielded cable for the RS-485 bus. To be used between drivers.

Electric diagram LEDPark System with the kit PK SAI LED



* Included in KIT-PK-SAI-LED

EVPark

EVPark is Circontrol's solution for Electric Vehicle (EV) charging in indoor and outdoor parking facilities.

Charging in indoor and outdoor parking facilities

Electrical vehicle chargers

EVPark offers a wide range of EV chargers; wall/ground mount, slow/quick charging, and single/double socket.

For indoor/outdoor facilities.

OCPP

To ensure a friendly operation of the chargers by the users and a profitable business model for the parking operator, EVPark solutions use OCPP (Open Charge Point Protocol), widely extended in the Electro-Mobility business.

DLM

The Dynamic Load Management (DLM) system can be integrated with CirPark Platform, offering the most complete solution currently available on the market. DLM system ensures that only the available power of the installation is used, thus maximising its efficiency and avoiding the high cost of its power upgrading.

Charge Point integrated with PMS

A complete procedured solution provided to Parking Management Systems manufacturers to integrate EV Charge Points into their own payment system.

Park&Charge

Ticketless payment system allows the user to charge an electric vehicle without the need to print any ticket. The reading and recognition of the license plate using the FYC system will be enough to allow charging the vehicle automatically.

EVPark

EV Charge Stations Indoor

Interface protocol: OCPP 1,2 1,5. Enclosure rating: IP54/IK10. Operating Temperature: -5 to +45°C. Display: Multi-language. RFID Reader: ISO/IEC14443 A/B, MIFARE classic/DESFire EV1, NFC 16,56 MGHz, ISO 18092/ECMA-340

WallBox Evolve Smart S / T
WVS0006411 (S)
WVS0006413 (T)

Indoor EV Charger with:
- Double Type2 socket
- Single phase (S) / Three phase (T)
- 32A max load in 2 x 7,2 kW output format (S)
- 32A max load in 2 x 22 kW output format (T)
- Mode 3 Charging

WallBox Smart
WBM-SMART-TRI
490089

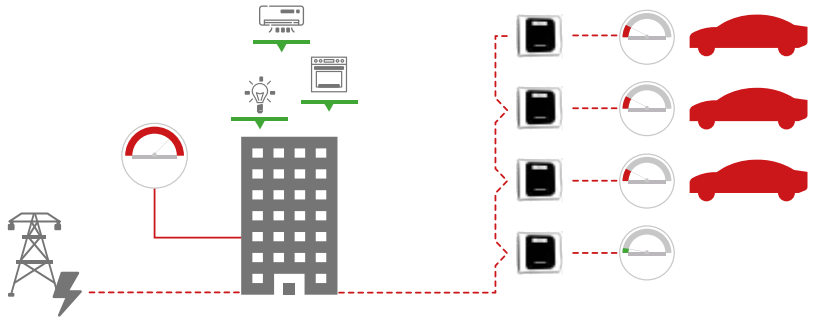
Indoor EV Charger with:
- Type2 socket
- Three phase
- 32A max load 1 x 22 kW output format
- Mode 3 Charging

WallBox Smart WB2M-SMART-TRI
WVS00064B3

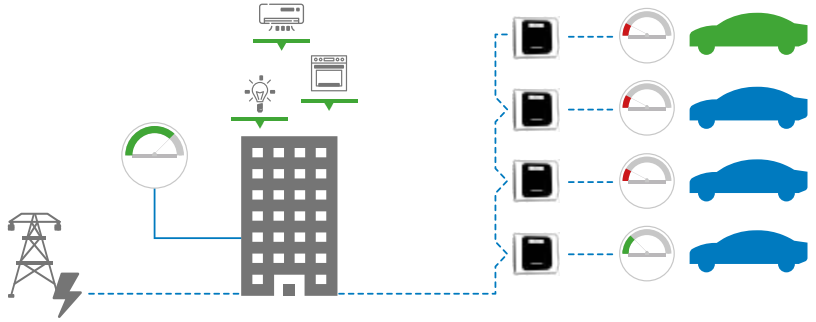
Indoor EV Charger with:
- Double Type2 sockets
- Three phase
- 32A max load 2 x 22 kW output format
- Mode 3 Charging

DLM (Dynamic Load Management)

▶ **WITHOUT DYNAMIC LOAD MANAGEMENT**
Main Supply Overload



▶ **WITH DYNAMIC LOAD MANAGEMENT**
Main Supply protected



EV Charge Stations Outdoor

Interface protocol: OCPP 1,2, 1,5. Enclosure rating: IP54/ IK10. Enclosure material: Aluminium & ABS. Enclosure door lock. Operating temperature: -5 to + 45 °C. Dimensions: 450mmx290mmx1550mm. RFID Reader: ISO/IEC14443A/B, MIFARE classic/DESFire EV1, NFC 16,56MGHz, ISO 18092/ECMA-340

Post eVolve smart T
PVS0006411

Outdoor Charge Point for Electrical Vehicles with:
- Three phase connection.
- 2 x (32A Type2) socket.

Post eVolve smart S
PVS0006413

Outdoor Charge Point for Electrical Vehicles with:
- Single phase connection.
- 2 x (32A Type2) socket.

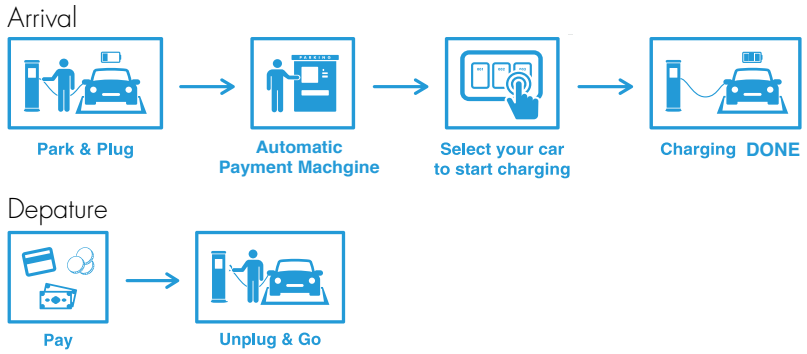
Post eVolve smart TM4
PVS00064B3

Outdoor Charge Point for Electrical Vehicles with:
- Three phase connection.
- 2 x (32A Type2) and 2 x (16A CEE/7) sockets.

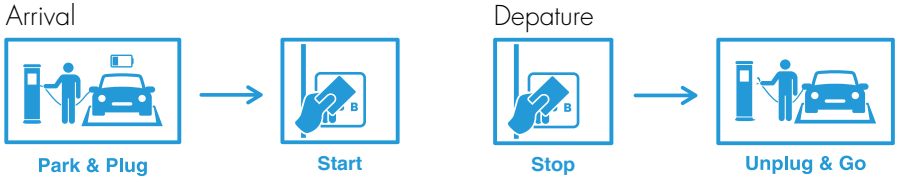
OCPP Integration

Charge Point Integration

Rotation Users



Subscribed Users



Solutions for Efficient Parking

CIRCONTROL
Mobility & eMobility

circontrol.com

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V2.2