nortech

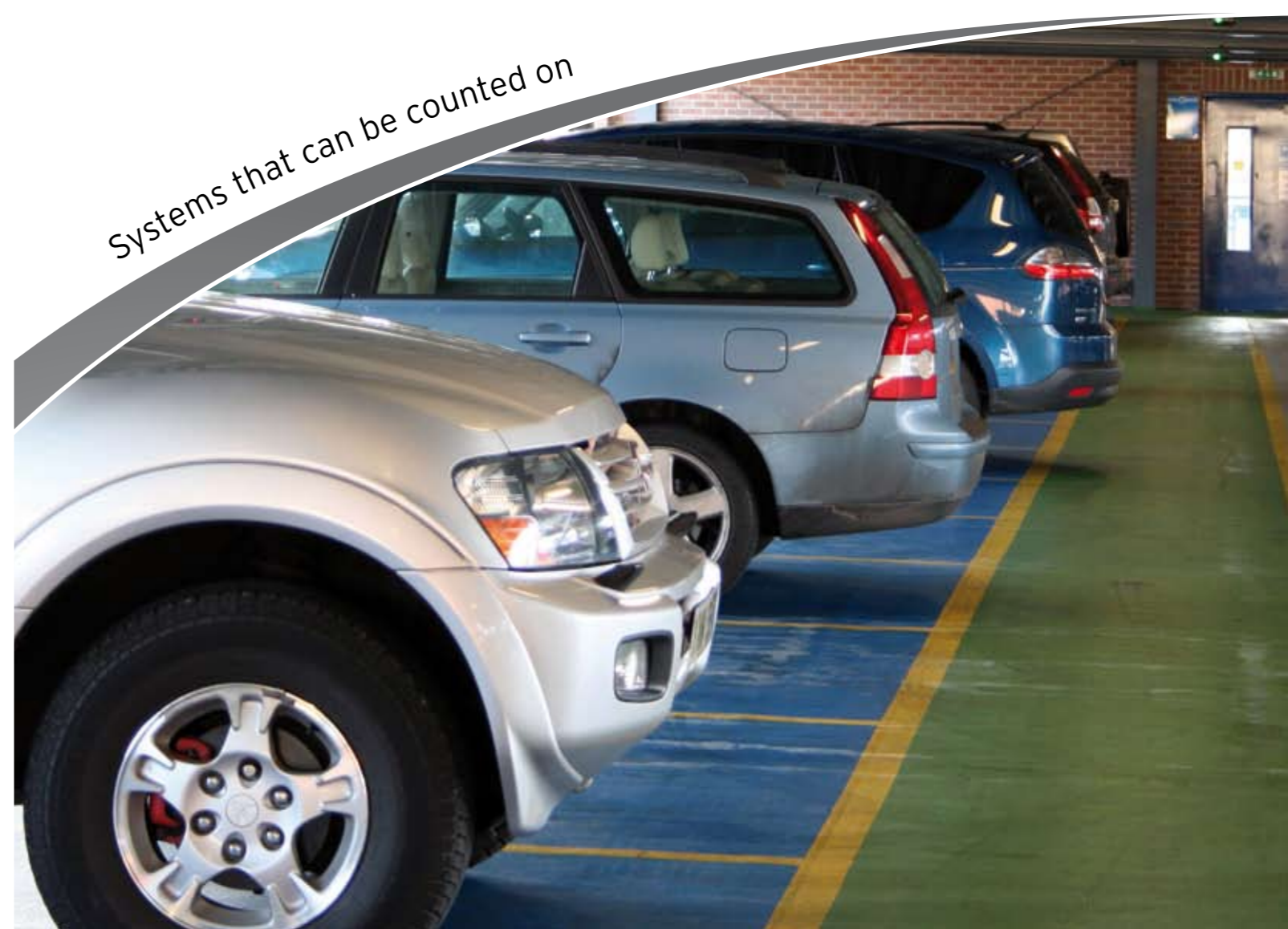# NorParc®

Car Park Counting Solutions

Systems that can be counted on

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BPA
BRITISH PARKING ASSOCIATION

URS
UKAS
QUALITY
MANAGEMENT
CERTIFICATE NO. 85520

Simple & Cost Effective

Nortech's counting module in stand-alone mode offers a robust, flexible and easy-to-install vehicle counting system. A stand-alone system can be supplied with or without message signs and may be used to arm barrier access controllers. Each module can provide up to 4 counters, each with individual increment and decrement inputs. Optionally, up to 4 increment inputs and 4 decrement inputs can be assigned to a counter without the need for extra equipment.

User Friendly

NorParc's user-friendly graphical user interface is designed to clearly display key information to the user. The graphical interface is fully customisable to match the needs of the application. All user inputs are carried out either by a simple point and click action or by selecting an option from a pop-up menu.

Adaptable

Nortech's counting capabilities can be combined with access control intelligence to provide total solutions to complex requirements such as managing shared parking and enforcing limitations on vehicle access.

Scaleable

Counting solutions are always cost-effective regardless of the size of the project. The modular nature of the hardware and scaleable software licences enable installers to provide an optimum solution to their clients while allowing for future growth.

Powerful

The NorParc® counting management software can manage up to 128 physical counters with an unlimited number of virtual counters. Up to 256 different count values can be displayed on variable message signs around the car park, making it ideal for level counting and parking guidance in multi-storey car parks.

NorParc®

Car Park Counting Solutions

Nortech Control Systems Ltd.

Nortech's flexible counting products can satisfy a wide range of vehicle counting needs, from monitoring space availability in small car parks to the integrated management of large multi-storey car parks with software controlled signage, status monitoring and data logging. The modular products can be combined as necessary to match both the customers' requirements and their budgets. A counting module can serve as a stand-alone system or form part of a networked system centrally managed by NorParc® software.

A single stand-alone counting module can provide up to four separate counters with simple incrementing and decrementing inputs from vehicle detectors such as Nortech's loop detectors. Each count value can be displayed on one or more variable message signs.

NorParc® software can control a networked count management system with up to 128 physical counters plus an unlimited number of 'virtual' counters. Virtual counters compute data from other counters to produce summary information such as spaces within a particular zone or total available spaces. The data can be used to provide on-screen data and drive variable message signs located around the parking facility.
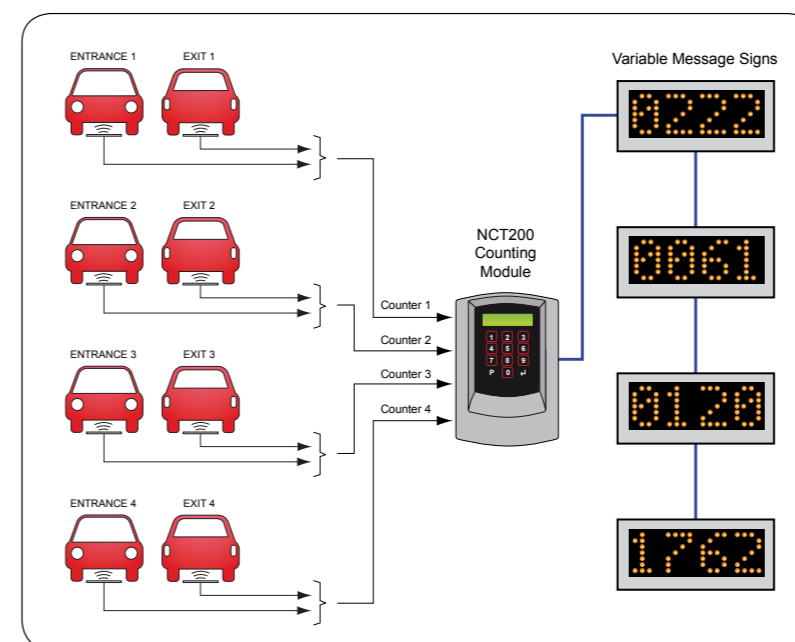
Nortech's technical department can advise installers on offering cost-effective solutions to complex parking control requirements by combining counting products with other Nortech control equipment.
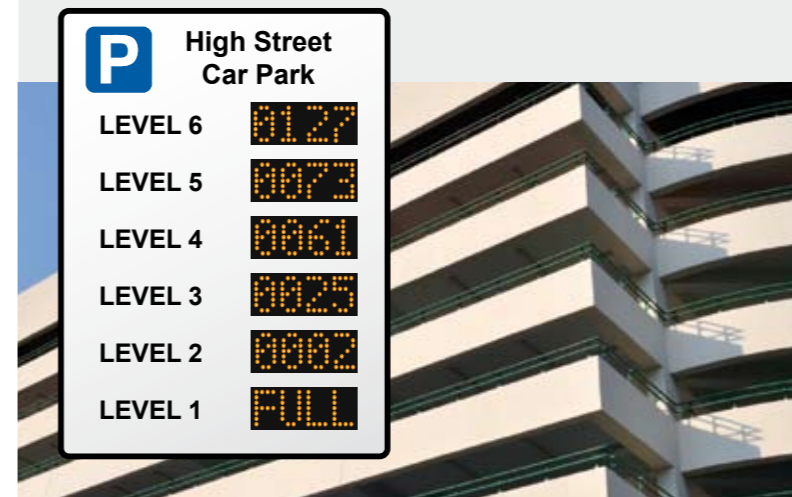
System Benefits

- Optimised use of car park capacity maximises revenue potential

- Reduced queuing improves the customer experience and lowers the effect on the environment

- Data analysis allows better control of resources therefore reducing running costs

Applications

- Monitoring and displaying the number of free spaces in a single-level car parking facility

- Monitoring the number of free spaces in a single-level car parking facility and providing 'Space'/'Full' signs

- Controlling car park barriers to allow vehicles to enter only when there are spaces available

- Management of space allocations in shared parking facilities

- Level counting and parking guidance in multi-storey car parks

- Cost-effective occupancy monitoring of smaller car parks

- Collecting and recording statistical data in multi-storey car parks

- Cost-effective traffic flow analysis on controlled access roads

- Enforcement of commercial vehicle quotas on controlled access roads

Example of a Standalone Parking Application