

Car Park Level Counting at Truro Supermarket

Sainsbury's

The Client

Sainsbury's supermarket in Truro, Cornwall has a 411 space car park split over two levels.



One of the signs at the entrance to the car park

The Challenge

Sainsbury's required a cost-effective and reliable means of helping customers to find free parking spaces while avoiding one level becoming congested when spaces are available on the other level.

The Benefits

- ◆ Cost-effective means of providing customer guidance
- ◆ Simple low-maintenance standalone system
- ◆ Improves the customers' shopping experience
- ◆ Reduces congestion during busy periods

The Solution

In partnership with Access Automation, Nortech provided a standalone NCT200 Counter Module and Variable Message Signs together with vehicle detectors. Vehicles are counted in and out of each level and the number of available spaces on each level is calculated by subtracting the number of vehicles currently on each level from its total capacity. This accounts for circulating vehicles as well as parked vehicles. In this type of application, the compact NCT200 module operates as an autonomous counting system that can keep up to four independent counts with individual increment and decrement inputs. The signs are controlled via an RS485 bus.