Vehicle Detector Products

Nortech's range of parking and traffic detectors satisfy a wide range of applications and budgets.

All of our detectors are extremely robust and have been designed to monitor vehicle activity above an inductive wire loop buried under the road surface.

The detectors can be programmed to provide status/event data via relay contacts or opto-isolated outputs to external control/monitoring equipment. The outputs can indicate the presence or movement of a vehicle over the detection loop(s), together with information relating to its direction of travel, speed, length, headway, etc. as required by a particular application. They can also indicate any fault detected in the loop.

Product Families
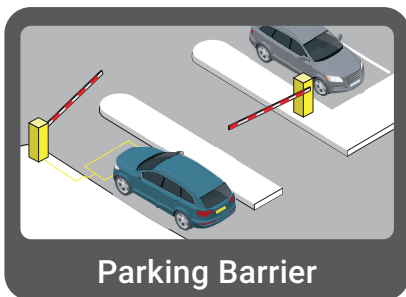
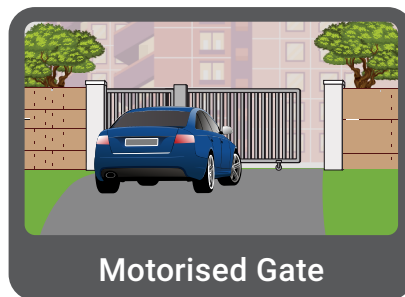| 3-Series Parking	8-Series Parking	8-Series Traffic

Common Benefits

▶ Compact size & elegant styling

▶ Robust design

▶ Single/dual channel options

▶ Diagnostic capabilities

▶ Select-able permanent presence

▶ Loop isolation protection

▶ Automatic Sensitivity Boost
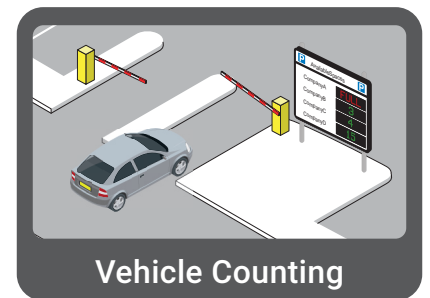
Applications

| Parking Barrier	Motorised Gate	Safety Loop
Traffic Control	Arming Control	Vehicle Counting

3-Series Parking Detectors

Key Features

▶ Proven reliability over many years

▶ Compact size & elegant styling

▶ Plug-in in relay style mount

▶ Settings via front panel switches

▶ Diagnostic capabilities using DU100

▶ Permanent presence selection

▶ Loop frequency indication

▶ Automatic Sensitivity Boost (ASB)

DU100

Detector diagnostic unit

Operating Principle

Road Loop — Feeder — Relay Output — Controller
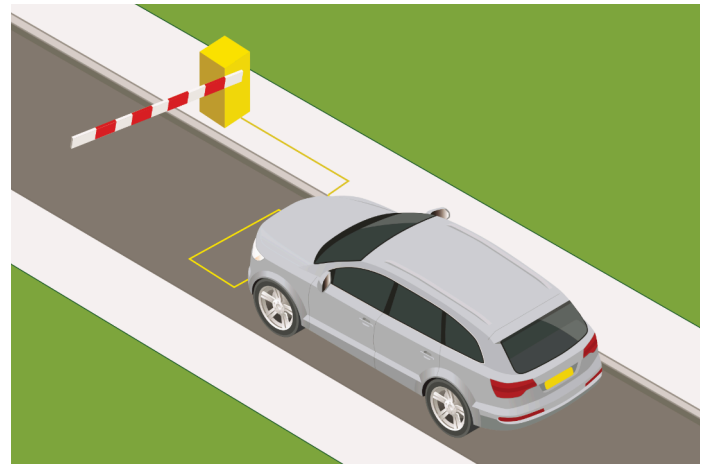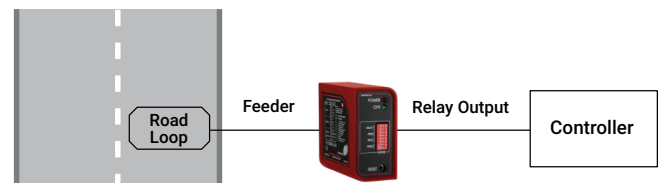
3-Series Diagnostics
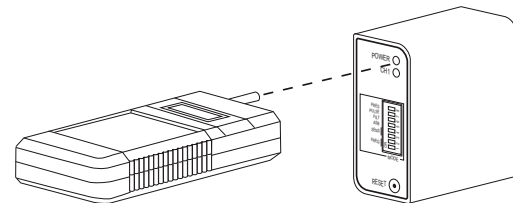
Ordering Information - 3-Series Single Channel Parking

PD132	Single channel, boxed, 230V AC
PD134	Single channel, boxed, 12-24 V AC/DC
DU100	Detector diagnostic unit

Ordering Information - 3-Series Dual Channel Parking

PD232	Dual channel, boxed, 230V AC
PD234	Dual channel, boxed, 12-24 V AC/DC

8-Series Parking Detectors

Key Features

▶ Smaller DIN rail mounted detector

▶ Remotely accessible

▶ Multiple, linked detectors

▶ Tailgating, fault identification, classification

▶ Fully configurable via Integr8 application*

▶ WiFi Diagnostic Unit – Stand-alone Access Point or joins Local Network

▶ Connect up to 4 synchronised, dual-channel detectors

▶ Simplified stock holding: Only 2 power supply variants

▶ 5-Year manufacturer's warranty

▶ Available with Relay or Opto-isolated outputs

▶ Relay – 2 Configurable relays with both N/O and N/C contacts exposed

▶ Opto – 3 Configurable / Assignable Outputs

▶ Response time < 50ms

▶ Enhanced Automatic Frequency Selection

▶ Automatic Sensitivity Boost

▶ Indefinite Power Fail

▶ Fail Safe / Fail Secure

* Integr8 Intuitive, easy-to-use, application available from iOS App Store or Google Play Store

8-Series Configuration & Diagnostics

DU800

Detector diagnostic unit

Integr8 App

Ordering Information - 8-Series Single Channel Parking

PD182	Single Channel 90 - 230V AC
PD182P	Single Channel 90 - 230V AC with opto outputs
PD184	Single Channel 12 - 24V AC/DC
PD184P	Single Channel 12 - 24V AC/DC with opto outputs
DU800	Diagnostic unit for 8-Series detectors

Ordering Information - 8-Series Dual Channel Parking

PD282	Dual Channel 90 - 230V AC
PD282P	Dual Channel 90 - 230V AC with opto outputs
PD284	Dual Channel 12 - 24V AC/DC
PD284P	Dual Channel 12 - 24V AC/DC with opto outputs
DU800	Diagnostic unit for 8-Series detectors

8-Series Traffic Detectors

Key Features

▶ Smaller DIN rail mounted detector

▶ Remotely accessible

▶ Multiple, linked detectors

▶ Configurable triggers for speed, length and headway

▶ Fully configurable via Integr8 application*

▶ WiFi Diagnostic Unit – Stand-alone Access Point or joins Local Network

▶ Connect up to 4 synchronised, dual-channel detectors

▶ Simplified stock holding: Only 2 power supply variants

▶ 5-Year manufacturer's warranty

▶ Available with Relay or Opto-isolated outputs

▶ Relay – 2 Configurable relays with both N/O and N/C contacts exposed

▶ Opto – 3 Configurable / Assignable Outputs

▶ Response time < 30ms

▶ Enhanced Automatic Frequency Selection

▶ Variable overspeed/underspeed trigger

▶ Basic length-based classification and trigger

▶ Headway measurement and triggers

* Integr8 Intuitive, easy-to-use, application available from iOS App Store or Google Play Store

8-Series Configuration & Diagnostics

DU800

Detector diagnostic unit

Integr8 App

Ordering Information - 8-Series Single Channel Traffic

TD182	Single Channel 90 - 230V AC
TD182P	Single Channel 90 - 230V AC with opto outputs
TD184	Single Channel 12 - 24V AC/DC
TD184P	Single Channel 12 - 24V AC/DC with opto outputs
DU800	Diagnostic unit for 8-Series detectors

Ordering Information - 8-Series Dual Channel Traffic

TD282	Dual Channel 90 - 230V AC
TD282P	Dual Channel 90 - 230V AC with opto outputs
TD284	Dual Channel 12 - 24V AC/DC
TD284P	Dual Channel 12 - 24V AC/DC with opto outputs
DU800	Diagnostic unit for 8-Series detectors