

## DU800 8 Series Detector Diagnostic Unit

### Product Description

The DU800 is a hands-free, WLAN diagnostic unit and is compatible with Nortech's latest 8 Series parking and traffic detectors. The DU800 provides a wireless communication channel with the detector, thereby allowing complete detector configuration and installation verification.

The unit attaches to the front of any of the latest 8 Series parking detectors and transfers data to and from the detector via the USB connection. A Nortech Diagnostic App, Integr8, is available for download for both iOS and Android smart devices from their respective stores.

Data between the smart device and vehicle detector is sent over a WLAN link to the Integr8 App that displays the detector configuration and installation information. Data displayed includes graphical and text-based representations of loop excitation frequency, loop frequency drift, minimum and maximum loop frequency deviation and all detector configurations.

Changing configuration parameters within Integr8 will update the settings on the vehicle detector accordingly and the installation feedback will be updated. Integr8 has the capability of generating PDF reports based on the installation information gathered by the DU800 Diagnostic Unit. These reports may then be used for site sign off and future reference.



### Features

- ▶ Compact, hands-free WLAN device
- ▶ Wireless detector configuration tool
- ▶ A complete installation report generated for site sign off
- ▶ Performance checks on loop and installation
- ▶ Compatible with all 8 Series detectors
- ▶ Operating range of up to 20 metres

### Benefits

- ▶ Loop detector setup and loop fault analysis using a smart phone avoids the difficulties of access and poor visibility of fault condition displays, increasing accuracy and reducing time and cost
- ▶ Convenient recording and display of settings and measurement data improves fault diagnosis and avoids erroneous data records
- ▶ Timely identification of the causes of spurious failures during operation reduces down time and improves service personnel efficiency

### Specifications

<b>Power Supply:</b>	USB Powered (5V 150mA)
<b>Visual Indications:</b>	1x bi-colour LED (Red and Green)
<b>Frequency Resolution:</b>	1 Hz
<b>Sensitivity Resolution:</b>	0.001 % $\Delta$ L/L
<b>Operating Systems:</b>	iOS and Android
<b>Storage Temp.:</b>	-40°C to +85°C
<b>Operating Temp.:</b>	-40°C to +60°C
<b>Dimensions:</b>	86mm (L) x 31mm (W) x 16mm (H)
<b>Operating Range:</b>	Up to 20 metres

## DU800 8 Series Detector Diagnostic Unit

### Operation



### Ordering Information

**DU800:** Diagnostic unit for 8 Series detectors

### Compatible Loop Detectors

PD182:	Single Channel Parking 90 - 230V AC	TD182:	Single Channel Traffic 90 - 230V AC
PD182P:	Single Channel Parking 90 - 230V AC with opto outputs	TD182P:	Single Channel Traffic 90 - 230V AC with opto outputs
PD184:	Single Channel Parking 12 - 24V AC/DC	TD184:	Single Channel Traffic 12 - 24V AC/DC
PD184P:	Single Channel Parking 12 - 24V AC/DC with opto outputs	TD184P:	Single Channel Traffic 12 - 24V AC/DC with opto outputs
PD282:	Dual Channel Parking 90 - 230V AC	TD282:	Dual Channel Traffic 90 - 230V AC
PD282P:	Dual Channel Parking 90 - 230V AC with opto outputs	TD282P:	Dual Channel Traffic 90 - 230V AC with opto outputs
PD284:	Dual Channel Parking 12 - 24V AC/DC	TD284:	Dual Channel Traffic 12 - 24V AC/DC
PD284P:	Dual Channel Parking 12 - 24V AC/DC with opto outputs	TD284P:	Dual Channel Traffic 12 - 24V AC/DC with opto outputs