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PARKING

PD260

Dual Channel Detector

The PD260 series - sophisticated functionality simplified. When flexibility and performance are required, the prestigious PD260 series is the dual channel inductive loop vehicle detector of choice. It is primarily suited to complex multi-lane access control and counting applications.

Equipped with an LCD display and intuitive user interface, this detector has on-board diagnostics giving the user detailed insight of loop parameters and detector performance. With an option to have a third relay output, sophisticated functionality is simplified in the ultimate parking detector.

The PD260 series also boasts Nortech Parking's intelligent Automatic Frequency Selection (AFS) system enabling instant configuration of complex installations with multiple lanes and detectors.

APPLICATIONS

- Parking barrier control
- Safety loop
- Arming control
- Motorised gates and doors
- Industrial control systems
- Accurate vehicle counting



SPECIFIC FEATURES

AFS	Automatic Frequency Selection (AFS) automatically examines the detector environment and sets the optimal operating frequency to ensure minimal interference and maximum reliability, significantly decreasing installation time. Frequency can also be manually set via the LCD menu.
Diagnostics	Comprehensive built in diagnostics allow for accurate diagnosis of loop and installation problems. All relevant information is displayed on the LCD. The following parameters can be diagnosed: Frequency, Inductance Change, Noise / Interference and Signal Strength. Channel counting information is also available.
Customizable	The LCD menu provides customizable functionality in the choice of output variations (including AB logic for counting purposes), frequency and sensitivity settings. Any change in settings is saved in the event of a loss of power; however factory settings can be restored through the menu.
Permanent Presence	The output of the presence relay can be selected to maintain an output for an indefinite period, eliminating premature barrier / gate / door closure.
ASB	Automatic Sensitivity Boost (ASB) facilitates the reliable detection of all vehicle combinations and high-bed vehicles by boosting the sensitivity to maximum after detection of a vehicle
Powerfail Memory	In the event of a power failure, the PD260 detector will retain the presence of the vehicle when power is restored. This is most useful in applications where damage to vehicles could occur (E.g. Rising Bollards). PowerFail memory is indefinite.

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TECHNICAL DATA

Self-tuning Range	20µH to 1500µH
Sensitivity	Fifteen step adjustable on the LCD menu Ranging from 0.01% ΔL/L to 5% ΔL/L ASB (Automatic Sensitivity Boost) selectable
Frequency	Eight step adjustable on LCD menu 12-80 kHz (Frequency determined by loop geometry)
Output Configuration	2 output relays (3rd output optional) Rated: 1A @ 70 VAC Completely customizable outputs for: Presence on detect OR fault Pulse on detect OR un-detect Pulse on AB logic forward or backward Each relay can be configured as Fail Safe or Fail Secure
Filter (Delay)	Eight step selectable output filter Ranging from 100ms to 10seconds. Default setting is OFF
Pulse Output Duration	Eight step selectable on the LCD menu Ranging from 50ms to 2seconds. Default set to 150ms
Presence Mode	Permanent or Limited to approximately 1 hour for a 1% ΔL/L
Presence Time	Eight step selectable via the menu 30 seconds to 60 minutes
Power-Fail Memory	Infinite memory retention in the event of a power failure
Indications	All diagnostic information accessible through the LCD Menu Additional LED's provided for power and channel status display
Protection	Loop isolation transformer, zener diode clamping, gas discharge tube
Power	12-24V ±10% (AC/DC) 120V ±10% AC 230V ±10% AC
Connector	11 pin submagnal connector (JEDEC B11-88)
Operating Temperature	-30°C to +70°C
Dimensions	80mm (deep) x 75.9mm (high) x 40.6mm (wide)

ORDERING INFORMATION

304FT2001	PD261 Dual Channel 120V DC
304FT2002	PD 262 Dual Channel 230V DC
304FT2004	PD264 Dual Channel 12-24V AC/DC

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