

PRODUCT DATA

www.nortechcontrol.com

Single Channel Loop Detectors

PRODUCT DESCRIPTION

One of the most critical components of the whole vehicle access control system is the inductive loop detector. Nortech's detectors have been renowned for their reliability and durability for many years.

Single channel loop detectors are used to identify the presence of vehicles by means of an inductive loop buried under the road. These "single chip" microprocessor-based units benefit from a detect filter and frequency indicator and are suitable for parking control and motorised door or gate applications all detectors are CE tested and approved.

A compact detector diagnostic unit is available for extracting data from new and existing sites.



FEATURES

PD130 - Vehicle Detector

- Compact size
- Diagnostic capabilities
- Selectable permanent presence
- Loop isolation protection
- Loop frequency indication
- Automatic Sensitivity Boost (ASB)
- Detect filter

PD139 - Card Based Vehicle Detector

Compact size

www.pataDiagnosticcapabilities

- Selectable permanent presence
- Loop isolation protection
- Loop frequency indication
- Automatic Sensitivity Boost (ASB)
- Selectable relay output configuration
- Loop fault monitor

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- Parking barrier control
- Rising bollards

Applications

- Motorised gates and doors
- Industrial control systems
- Rising kerbs
- High-speed rapid roll industrial doors

GD100 - Vehicle Detector

- Compact size
- Selectable permanent presence
- Selectable presence output (Fail
- Safe / Fail Secure)
- Loop isolation protection
- Visual output LED (fault monitor)

DU100 - Detector Diagnostics Unit

- Compact, self-contained test
- Exclusive optical readout
- No service disruption
- Loop diagnosis
- Historical data available
- Unique crosstalk monitor



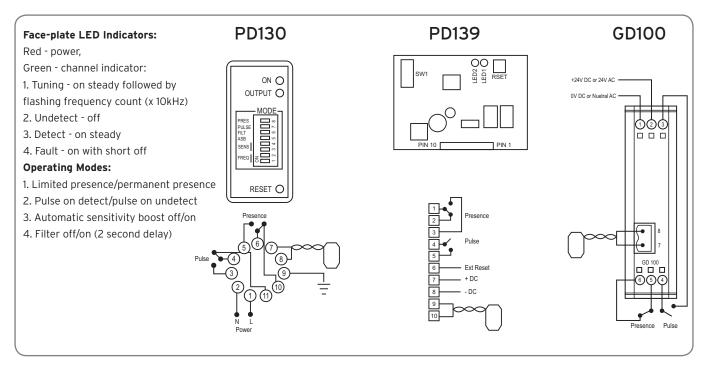
PD139



DU100

Single Channel Loop Detectors

Technical Details



Specifications

PD130/PD139 ence option Self tuning range: 20-1500mH

Sensitivity: 4 step adjustable: Protection: Loop isolation transformer,

High: 0.02% DL/L; Medium High: zener diode clamping on loop inputs

0.05% D L/L; Medium Low: 0.1% and gas discharge tube protection DL/L; Low: 0.5% DL/L

4 step adjustable, 12-80kHz (fre-Frequency: PD130 Power requirements: 120V AC +/- 15% 48-60Hz (PD131) quency determined by loop geom-230V AC +/- 15% 48-60Hz (PD132)

12-24V AC/DC +/- 15% (PD134)

Requirement: 1.5VA max @ 230V PD130 Output Relays: Presence output relay - Change-over

PD139 Power requirements: 24V AC/DC +/- 15% contacts (fail-safe) rated at 5A @ Requirement: 1.1VA max @ 24V DC

230V AC www.DataSheet4U.com

Pulse output relay - Change-over Operating temp range: -40°C to +80°C (circuit sealed

contacts (non-fail-safe) rated at 5A against condensation) @ 230V AC

Material: PD130: High heat ABS blend PD139 Output Relay: Presence output relay - Change-over PD130: 76 x 40 x 78; PD139: 105 x Dimensions (mm): contacts (fail-safe) rated at 1A @

230V AC Mounting: PD130: Shelf or DIN-rail socket; Pulse output relay - Change-over

PD139: Panel or plug-in contacts (non-fail-safe) rated at 1A @ 230V AC

Connector: PD130: Single rear mount 11-pin submagnal (86CP11); PD139: Molex PD130 Pulse output duration:

Approx. 150ms, factory option 10-pin female

Option: Flying leads Approx. 150ms 1 hour for 3% DL/L, permanent pres-

Ordering Information

barrier controllers

PD139 Pulse output duration:

Presence time:

PD131: Single channel, boxed, 120V AC PD132-PFM Single channel, boxed, 320V AC with power

fail memory PD132: Single channel, boxed, 230V AC

GD100: Single channel DIN rail mount detector, 24V PD134: Single channel, boxed, 12-24 V AC/DC AC/DC

Single channel, PCB, 24V DC PD139:

DU100 Detector diagnostic unit PD139-FAAC: Single channel, PCB, designed to fit FAAC