Compact Size:
The compact aesthetically pleasing housing combined with all the industry requirements regarding features and functionality allows this detector to be incorporated into any new or existing vehicle detection system.

Diagnostic Capabilities:
The software of this unit allows comprehensive diagnostics capabilities in conjunction with separate DU100 hand-held diagnostics readout. Advanced diagnostics features are covered by International patents.

Selectable Permanent Presence:
Using this feature, the output of the presence relay will be maintained for an indefinite period, thereby eliminating premature barrier/gate/door closure and possible vehicle damage.

Loop Isolation Protection:
The loop isolation transformer provides protection against lightning and transient damage and allows for operation with single point to ground sensor loops.

Loop Frequency Indication:
The possibility of crosstalk (interference) between adjacent loops/detectors can be determined by an integral indication, and eliminated by changing the frequency settings.

Automatic Sensitivity Boost (ASB): This feature facilitates the reliable detection of large truck-trailer combinations and high-bed vehicles by automatically boosting the sensitivity to maximum on detection of a vehicle.

Detect Filter:
Selection of the filter option will provide a finite turn-on delay, thus allowing small or fast-moving objects to pass over the loop undetected.

**APPLICATIONS**
- Parking boom gate control
- Vehicle access control
- Motorised gates and doors
- Industrial control systems
PD132 / PD134

**Self tuning range:**
20-1500µH

**Sensitivity:**
Four step adjustable on face-plate:
- High: 0.02% ΔL/L
- Medium High: 0.05% ΔL/L
- Medium Low: 0.1% ΔL/L
- Low: 0.5% ΔL/L

**Frequency:**
Four step adjustable on face plate,
12-80kHz (frequency determined by switch setting and loop geometry)

**Output Configuration**
- Relay 1 = Presence output
- Relay 2 = Pulse output

**Pulse output duration:**
Approx. 150ms
Factory option 250ms

**Presence time:**
1 hour for 3% ΔL/L and permanent presence option

**Operating modes:**
Four way Mode selector on face-plate:
1. Limited presence/ permanent presence
2. Pulse on detect/Pulse on undetect
3. Automatic Sensitivity Boost on/off
4. Filter on/off (2 second delay)

**Indications:**
The following face-plate indications are provided:
- Red LED – power;
- Green LED – channel indicator
  1. Tuning – on steady followed by flashing frequency count (x 10 kHz)
  2. Undetect – off
  3. Detect – on steady
  4. Fault – on with short off

**Protection:**
Loop isolation transformer, zener diode clamping on loop inputs and gas discharge tube protection

**Power requirements:**
- 120V AC ± 15% 48-60Hz (PD131)
- 240V AC ± 15% 48-60Hz (PD132)
- 12-24V AC/DC ± 15% (PD134)
  1.5VA max @ 230V

**Presence Output Relay:**
5A @ 230V AC

**Pulse relay:**
5A @ 230V AC

**Operating temperature range:**
-40°C to +70°C

**Mechanical detail:**
- Material: High heat ABS blend
- Dimensions: 78(H) x 41(W) x 80(L)mm
- Mounting: Shelf or DIN-rail socket
- Connector: Single rear mount 11-pin submagnal (JEDEC No. B11-88)
- Options: 1 metre flying lead 11 pin screw terminal Base

**WIRING DETAILS**

<table>
<thead>
<tr>
<th>pin</th>
<th>designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Live 230V AC 50/60 Hz OR</td>
</tr>
<tr>
<td>2</td>
<td>Neutral 12 - 24V AC/DC</td>
</tr>
<tr>
<td>3</td>
<td>Pulse Relay Normally Open contact</td>
</tr>
<tr>
<td>4</td>
<td>Pulse Relay Common contact</td>
</tr>
<tr>
<td>5</td>
<td>Presence Relay Normally Open contact</td>
</tr>
<tr>
<td>6</td>
<td>Presence Relay Common contact</td>
</tr>
<tr>
<td>7</td>
<td>Loop Twist this</td>
</tr>
<tr>
<td>8</td>
<td>Loop pair</td>
</tr>
<tr>
<td>9</td>
<td>Earth</td>
</tr>
<tr>
<td>10</td>
<td>Presence Relay Normally Closed contact</td>
</tr>
<tr>
<td>11</td>
<td>Pulse Relay Normally Closed contact</td>
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</tbody>
</table>

**OPTIONAL ITEMS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>301FT0041</td>
<td>1 metre flying lead</td>
</tr>
<tr>
<td>CTR 119090</td>
<td>11 pin Relay Base</td>
</tr>
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