Centurion Systems has taken all the hassle out of installing ground loops with our range of highly-sensitive inductive loop detectors for vehicle access applications.

Centurion Systems’ loop detectors are extremely easy to install and commission and provide useful feedback for on-the-go diagnostics.
FLUX
INDUCTIVE LOOP DETECTORS

Centurion Systems has taken all the hassle out of installing ground loops with our range of highly-sensitive inductive loop detectors for vehicle access applications. CENTURION FLUX loop detectors are extremely easy to install and commission and provide useful feedback for on-the-go diagnostics.

**FLUX SA:** Fast, intelligent and reliable standalone inductive vehicle loop detector. Very fast detection speed, audio and visual diagnostics and removable terminals make for a unit that is easy to install, commission and maintain.

**FLUX 11:** 11-pin loop detector available in two models to suit a wide variety of vehicle access applications. A convenient 11-pin plug-in adaptor allows the FLUX 11 to interface seamlessly with the standard loop detector 11-pin bases found in the majority of vehicle access applications.

**MAIN FEATURES**

**Mechanical Features**
- Easy to install and commission, saving you time and money
- Removable terminals for quick and easy maintenance **(FLUX SA only)**
- Standardised size allows the **FLUX 11** to be incorporated into any existing 11-pin base
- Dedicated reset button to assist with quick maintenance procedures

**Electronic Features**
- Very fast detection speed for quick response times – greater security
- Audible and visual diagnostics for ease of setup and maintenance
- Wide, adaptive self-tuning range for outstanding reliability
- Excellent, strong loop field strength for reliable operation
- Automatic Sensitivity Boost feature which automatically increases the sensitivity for the reliable detection of variable height vehicles
- Excellent immunity to external interference for improved reliability
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>Flux SA</th>
<th>Flux 11 DC Model</th>
<th>Flux 11 AC Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>10V - 40V DC or 7V - 28V AC</td>
<td>220V - 240V AC ±10%, 50Hz (single-phase)</td>
<td></td>
</tr>
<tr>
<td>Standby current</td>
<td>50mA</td>
<td></td>
<td>&lt;10mA</td>
</tr>
<tr>
<td>Output relay rating</td>
<td></td>
<td>1A @ 125V AC</td>
<td>10mA</td>
</tr>
<tr>
<td>Detection time</td>
<td>4ms @ 100kHz loop frequency</td>
<td></td>
<td>10ms @ 40kHz loop frequency</td>
</tr>
<tr>
<td>Indicators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual</td>
<td>LED indicators showing power, loop fault, 5 LEDs to indicate Loop detection level and detect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audible</td>
<td>Buzzer with indication of loop detection level and loop fault</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detector tuning range</td>
<td>15 - 1500μH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protection</td>
<td>Isolation transformer with 10kA lightning protection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connectors</td>
<td>Removable connectors for easy maintenance</td>
<td>11-pin base</td>
<td></td>
</tr>
<tr>
<td>Outputs provided</td>
<td>1 (Configurable as either pulse or presence)</td>
<td>2 (Both pulse and presence)</td>
<td></td>
</tr>
<tr>
<td>Mass of unit packed</td>
<td>85g</td>
<td>92g</td>
<td>92g</td>
</tr>
<tr>
<td>Packaging dimensions</td>
<td>Length: 63mm x Width: 31mm x Height: 111mm</td>
<td>Length: 45mm x Width: 96mm x Height: 81mm</td>
<td>Length: 45mm x Width: 96mm x Height: 81mm</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
OUR DIGITAL AND ONLINE BRAND PRESENCE AND SUPPORT

WEBSITE
• Landing pages in French, Spanish, Portuguese and Thai
• Access to product documentation, comparison charts and diagnostic guides
• Device software
• G-WEB PLUS interface for administering CENTURION GSM devices
• Massive library of useful articles
• http://www.centsys.com

SUPPORT
• Dedicated technicians, unrivalled backup support and friendly and efficient sales personnel
• Technical support in all official languages, as well as French, Spanish and Portuguese
• Call centre operates 7am to 6pm (GMT +2), Monday to Friday and 8am to 4:30pm (GMT +2) on Saturdays

SOCIAL MEDIA
• “Like” our Facebook page (www.facebook.com/centurionsystems) and follow us on Twitter (@askCenturion) for all the exciting company news, launches, roadshows, competitions as well as technical and sales support
• Subscribe to our YouTube channel for access to an extensive library of how-to videos and tutorials
• Interesting and innovative installations from around the world, including unusual uses of CENTURION products
• Are you on our YouTube channel? Showcase your installations!

NEWSLETTER
• Fantastic way of staying abreast of company news, developments, events and functions, new products and enhancements to existing range

www.centsys.com
TECHNOLOGY

CENTURION products feature a host of industry-leading technologies, all conducive to greater security, greater convenience and superior functionality. Just some of the advanced technologies found in our products are:

• **ChronoGuard** – a world-first timer technology that allows the user to set a myriad Auto-activation and Time-barring functions using the onboard Real Time Clock and Calendar, which tracks the date up to the year 2099

• **Intruder-detection Alarms** – The novel feature-set – consisting of the Beam Alarm and Ambush Alarm - ups the security ante even further by providing an audible output when the infrared gate safety beams are obstructed, or remain interrupted for a pre-defined period of time

• **Code-hopping technology** – CENTURION remote controls are equipped with code-hopping encoders which process the outgoing transmission through a sophisticated encryption engine, making copying and cloning virtually impossible. No two transmitted codes will ever be alike

• **Onboard diagnostics** – Our D-Series range provides both audible and visual feedback of the gate status at any given time. In addition, a designated diagnostic screen makes fault-finding a breeze

• **High-volume capability** – CENTURION operators are designed to work hard, and work hard they do – with some operators such as the SECTOR II traffic barrier being capable of performing in excess of 3000 operations every single day
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We invite you to contact us for further details.