



CENTURION
THE AUTOMATIC CHOICE

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FLUX^{SA}™



**Fast, intelligent
and reliable
inductive vehicle
loop detectors**



Established 1986



FLUX SA™

The **FLUX SA** is a single channel stand-alone inductive loop detector designed for vehicle access applications.

The detector is responsive, highly sensitive, and utilises sophisticated software algorithms which adapt to prevent false triggering due to changing environmental conditions.

Easy to use dipswitches, as well as visual and audible feedback of loop operation, ensure a hassle-free installation experience.

Typical uses include free-exit loops, safety loops, closing loops for traffic barriers, arming loops for access control equipment, and general vehicle sensing applications.



Features and benefits

- Very fast detection speed for quick response times
- Excellent immunity to interference from external sources of interference for improved reliability
- Easy to install and commission saving you time and money
- Audible and visual diagnostics for ease of setup and maintenance
- Removable terminals for quick and easy maintenance
- Mounting points provided to assist in achieving the optimal installation position
- Bootloader interface for ease of firmware upgrades
- Dedicated reset button to assist with quick maintenance procedures
- Compact housing with clever design features enhancing ease of installation and monitoring diagnostics*
- Wide, adaptive self-tuning range for outstanding reliability
- Excellent, strong loop field strength for reliable operation
- Adjustable sensitivity to cater for a variety of installation requirements
- Selectable Permanent Presence feature to prevent unintended barrier or gate closure
- High-level circuit and loop protection from external interference such as lightning and electric fences
- Automatic Sensitivity Boost feature which boosts the sensitivity automatically to cater for the reliable detection of variable height vehicles
- Detection filter feature helps to ensure that unwanted inputs are not picked up

* Applies to FLUX SA only





Technical specifications

FLUX SA

| | |
|-----------------------|---|
| Supply voltage | 10 - 40V DC 7 - 28V AC |
| Standby current | 50mA |
| Output relay rating | 1A @ 125V AC |
| Detection time | 4ms @ 100kHz loop frequency 10ms @ 40kHz loop frequency |
| Indicators | |
| Visual | LED indicators showing Power, Loop Fault, Loop detection level (5 LEDs) |
| Audible | Buzzer with indication of loop detection level and Loop Fault |
| Detector tuning range | 15 - 1500 μ H |
| Protection | Isolation transformer with 10kA lightning protection |
| Connectors | Removable connectors for ease of maintenance |
| Dimensions | 105mm (length) x 60mm (width) x 26mm (height) |
| Mass | 85 grams |
| IP rating | IP50 |

