



CENTURION

FLUX™



Fast, intelligent and reliable inductive vehicle loop detectors





FLUX SA



FLUX 11



FLUX is a range of single channel inductive loop detectors designed for vehicle access applications, consisting of a standalone version as well as an 11-pin model. These detectors are 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.

The FLUX SA's clever design allows it to be installed virtually anywhere with a minimum of effort, while FLUX 11 interfaces seamlessly with the standard loop detector 11-pin bases found in the majority of vehicle access systems.

In addition, the FLUX 11 is available in both a low-voltage 12V DC variant as well as a powerful 230V AC model, making it an extremely versatile access control solution and eliminating the need for expensive transformers or time-consuming rewiring.

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

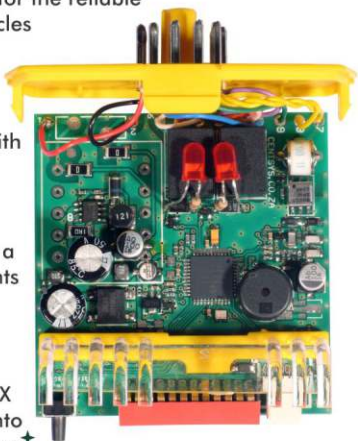


Features and benefits

- Very fast detection speed for quick response times
- Detection filter and high level circuit and loop protection provides 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
- Bootloader interface for ease of firmware upgrades
- Wide, adaptive self-tuning range for outstanding reliability
- Excellent, strong loop field strength for reliable operation
- 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 in ensuring that unwanted inputs are not picked up
- Removable terminals, coupled with mounting points provide for a quick and easy installation and maintenance*
- Adjustable sensitivity to cater for a variety of installation requirements
- Selectable Permanent Presence feature to prevent unintended barrier or gate closure*
- Standardised size allows the FLUX 11 detector to be incorporated into any existing 11 pin connector base†
- Eight sensitivity settings allows for accurate and reliable detection†

* Applies to FLUX SA only

† Applies to FLUX 11 only





LOOP DETECTOR

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), Detect
Audible	Buzzer with indication of loop detection level and loop fault
Detector tuning range	15 - 1500 uH.
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

FLUX 11

Supply voltage:	
12V DC Model	10 - 40V DC
	7 - 28V AC
230VAC Model	220-240V AC +-10% 50Hz
Standby current:	50mA
12V DC Model	TBA???
230VAC model	1A @ 125V AC
Output relay rating:	
Detection time:	4ms @ 100kHz loop frequency
	10ms @ 40kHz loop frequency
Indicators:	
Visual	LED indicators showing Power, Loop Fault, Loop detection level (5 LEDs), Detect
Audible	Buzzer with indication of loop detection level and loop fault
Detector tuning range:	15 - 1500 uH.
Protection:	Isolation transformer with 10kA lightning protection
Connectors:	11 Pin base
Dimensions:	105mm (length) X 60mm (width) X 26mm (height)
Mass:	
12V DC Model	92 grams
230VAC model	182 grams
IP rating:	IP50

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Centurion Systems (Pty) Ltd • South Africa
Contact number: +27 11 699 2400