



11-pin Single Channel Vehicle Loop Detector

Dipswitch	Off	On
1 Pulse Time	0.2 sec	1 sec
2 Sense	CR	2 sec
3 Loop High	8+9+10	CR
4 Loop	8+9	CR
5 Medium High	8+10	CR
6 Loop	9	CR
7 Medium Low	9+10	CR
8 Loop	10	CR
9 Low	8+9	CR
10 Absent presence	CR	9+9+10
11 Loop	CR	CR
12 Delay	CR	CR
13 Delay Undelay	CR	CR
14 Delay	CR	CR
15 Presence	CR	CR
16 Delay	CR	CR
17 Delay	CR	CR
18 Delay	CR	CR
19 Delay	CR	CR
20 Delay	CR	CR
21 Delay	CR	CR

Wiring connections	Pin	Connection
1	1	230 V AC
2	2	± 10% 50Hz
3	3	Pulse Relay N/O
4	4	Pulse Relay COM
5	5	Presence Relay N/O
6	6	Presence Relay COM
7	7	Loop
8	8	Loop
9	9	Loop
10	10	Presence Relay N/C
11	11	Pulse Relay N/C

230V AC
www.centsys.com

Fast, intelligent and reliable inductive loop vehicle 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.

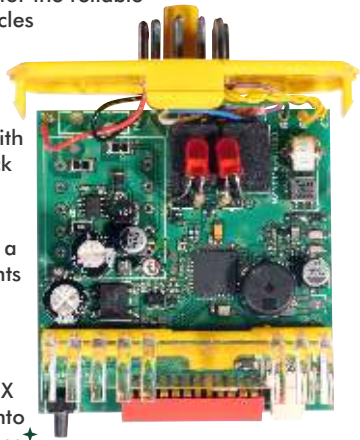
Typical uses include free-exit loops, safety loops, closing loops for traffic barriers, arming loops for access control equipment, and general vehicle sensing applications.

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 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	10V - 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 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	85g	
IP rating	IP50	

FLUX 11

12V DC

230V AC

Supply voltage	10V - 40V DC or 7V - 28V AC	220V - 240V \pm 10% 50Hz
Standby current	50mA	10mA
Output relay rating	1A @ 125V AC	1A @ 125V AC
Detection time	4ms @ 100kHz loop frequency	4ms @ 100kHz loop frequency
	10ms @ 40kHz loop frequency	10ms @ 40kHz loop frequency
Visual LED indicators	LED indicators showing: Power; Loop Fault; Loop detection level (five LEDs); Detect	LED indicators showing: Power; Loop Fault; Loop detection level (five LEDs); Detect
Audible indicators	Buzzer with indication of loop detection level and loop fault	Buzzer with indication of loop detection level and loop fault
Weight	92g	92g
Detector tuning range	15 - 1500 μ H	15 - 1500 μ H
Electronics protection	Isolation transformer with 10kA lightning protection	Isolation transformer with 10kA lightning protection
Dimensions	96mm (length) x 42mm (width) x 80mm (height)	96mm (length) x 42mm (width) x 80mm (height)
IP rating	IP50	IP50

0.07.B.0073

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