

CONTROL ELECTRONICS

SIRAM CONEX



I/O via TCP/IP



Unmachined

In IP66 cabinet

On electrical board

The **SIRAM CONEX** board is the control electronics associated with the SIRAM vehicular access control platform. This device enables the system to recognize when a vehicle arrives at the access control point, capture license plate photographs, and activate external elements such as barriers, traffic lights, or gates through its relay outputs.

It is available in different formats based on the installation requirements.

UNMACHINED

	LOOP DETECTORS	CABINET / BOARD
SIRAM CONEX BOARD	--	--

MACHINED IN SCHNEIDER CABINET

	LOOP DETECTORS	CABINET / BOARD
CONEX IP	--	CABINET
CONEX IP01	1	CABINET
CONEX IP02	2	CABINET

MACHINED ON ELECTRICAL BOARD FOR TOTEM OR TOTEM COMPACT

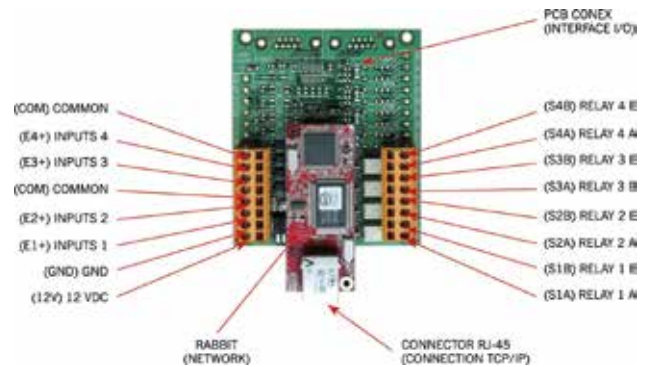
	LOOP DETECTORS	CABINET / BOARD
CONEX IP TOTEM	--	ELECTRICAL BOARD
CONEX IP TOTEM 01	1	ELECTRICAL BOARD
CONEX IP TOTEM 02	2	ELECTRICAL BOARD

VERSIONS OF SIRAM CONEX

There are **different models of CONEX** depending on whether the Conex set incorporates Loop detectors, or if it is supplied inside the Schneider cabinet, or machined on an electrical board for installation inside the Totem or Compact capture unit.

SIRAM CONEX BOARD (unmachined)

In the case of the Siram CONEX board, the electronics are supplied without machining so that the customer can install them in their own control cabinet.



SIRAM CONEX (MACHINED IN IP66 CABINET)

The control electronics are located inside a Schneider IP66 cabinet, inside which the following elements are mechanized:

- 12Vdc power supply
- 220Vac 16A circuit breaker
- Inductive loop detectors
- SIRAM CONEX board

SIRAM CONEX IP TOTEM (MACHINED ON ELECTRICAL BOARD)

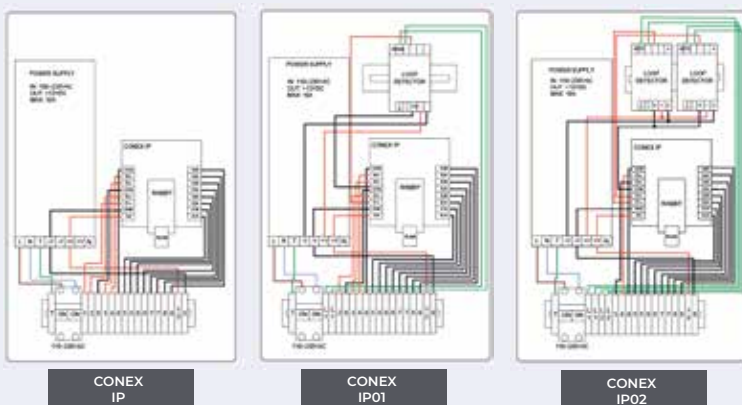
The control electronics are machined on an electrical board that can be placed inside the Totem or Compact capture unit. The CONEX IP TOTEM model incorporates the following elements:

- SIRAM CONEX board
- Inductive loop detectors

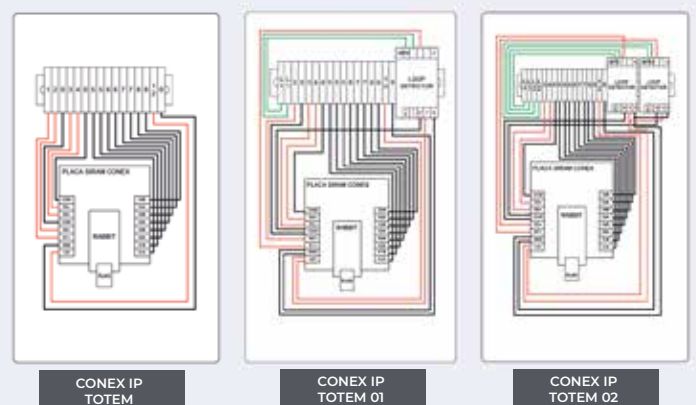


SIRAM CONEX DIAGRAM

SIRAM CONEX (MACHINED IN IP66 CABINET)



SIRAM CONEX IP TOTEM (MACHINED ON ELECTRICAL BOARD)



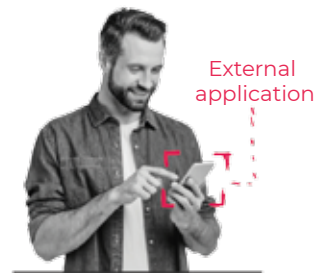
SIRAM CONEX PROTOCOL

Each Conex electronics is associated with an executable SiramCTRL.exe, which has a TCP server that the external application connects to in order to send activation and deactivation commands to the relays.

The implemented commands are as follows:

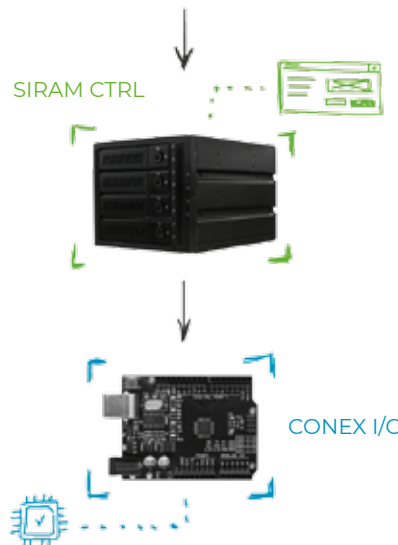
Send pulse to open relay

Every time this command is sent to SiramCTRL.exe, it sends a pulse to one of the four output relays of the Conex electronics. The default pulse duration is 1 second.



Activate relay

This command is used to activate a relay in the Conex electronics (closed circuit).



Deactivate relay

This command is used to deactivate a relay in the Conex electronics (open circuit).

SIRAM ACCESS SUITE



- ✓ Client/Server Architecture
- ✓ Modular and Scalable Suite
- ✓ Real-time Visualization (Siram Viewer)
- ✓ Incident Management (Siram Incident)
- ✓ Movement Queries (Siram Manager)
- ✓ User Loading from Active Directory
- ✓ Mini, Lite and Server Versions

SIRAM ACCESS WEB



- ✓ Web Architecture
- ✓ On-premise or Private Cloud
- ✓ Real-time Visualization (Web Browser)
- ✓ Incident Resolution (Web Browser)
- ✓ Movement Queries (Web Browser)
- ✓ Stand Alone Operation of the Lane
- ✓ Lite and Server Versions