



Instruction Manual

(SPROX)

Smart control Proximity reader for SKEY and SCARD, transmit the codes received to the receiver to validate it.

SPROX allows to use a transmitter as a access control key, giving to the system the hopping code security.

The readear activates the emitters (with coil) through 125KHz magnetic field, the transmitter reacts emitting an RF signal that will be decoded for the radio receiver and activating a preselected channel

SPROX do not need external power supply, takes it from the receiver card.
SPROX is small, compact and resisitent. Is full of resin to avoid bandalis.

RECEIVER OPTION SELECTOR

OPTION 1-2 READER CHANNEL

OPTION 1 - OFF - OPTION 2 - OFF

Assigns Channel 1 to the reader

OPTION 1 - ON- OPTION 2 - OFF

Assigns Channel 2 to the reader

OPTION 1 - OFF - OPTION 2 - ON

Assigns Channel 3 to the reader

OPTION 1 - ON - OPTION 2 - ON

Assigns Channel 4 to the reader

OPTION 3 - FUNCTION SELECTION

ON The channel function is transmitted with the code. The function is pre-programmed into the key or proximity card.

OFF The channel function is with the code selected by the microswitches 1 and 2.

OPTION 4 - WORKING MODE

ON Low Power (Green led Flashing)

OFF Standard (Green led fixed)

TECHNICAL SPECIFICATIONS

| | |
|---------------------|------------------------------------|
| Power | 12V from the receiver |
| Current consumption | 60mA (standard) / 40mA (low power) |
| Readers/receiver | 3 standard mode / 4 low power mode |
| Error detection | CRC |
| Frequency | 125KHz |
| Standards | According ETS 300-330 |
| Range | 10cm (SCARD) / 8cm (SKEY) |
| Temperature range | -20° a +80°C |
| Cable diameter | Max. length |
| 0.22mm2 | 100m |
| 0.35mm2 | 150m |
| 0.5mm2 | 200m |

INSTALLATION

- Connect the reader cables + - s to the access control receiver terminals + - s . The reader is identified automatically.
- The reader has 2 slots for Standard mounting hardware built-up box, Switch on the microswitch number 3 if the function(channel) that the reader sends with the code will be programmed into the key or card, or selected in the reader.
- The selection of the reader's channel is performed by the micro-switches 1 and 2.
- Select the working mode of the reader by the microswitch 4 (normal or low)

SCARD SKEY ACTIVATION

By bringing a key or proximity card, the reader reads your code and retransmits it to the receiver, indicating with red flashes and intermittent sound indications. The receiver verifies the validation of the code by sending a response to the reader, indicating the validation by a long beep and three green flashes , indicating the non validation by three beeps and a long flash red.

When using a programmed key or card with special features do not emit beeps during transmission to the receiver running the special function. To run correctly the special function, user must keep the key or card reader in front, waiting the green LED to light up, indicating confirmation.

TRANSMITTER ACTIVATION

Bring tthe transmitter to the reader to activate it remotely. To the proper function move the transmitter in front of the reader as if it was a magnetic card, from top to bottom or from right to left.

LED INFORMATION

The LED indicator remains green indicating that the magnetic field is activated.
The red LED indicates that a fault in the equipment.

WARNING!! BEFORE INSTALLING MAKE SURE THE SUPPLY VOLTAGE IS SWITCHED OFF.