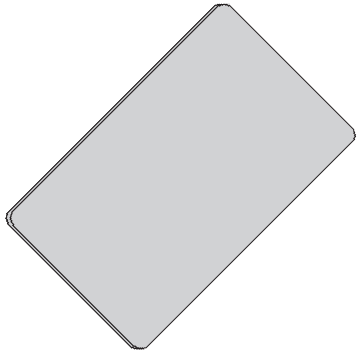
GB

Instruction Manual

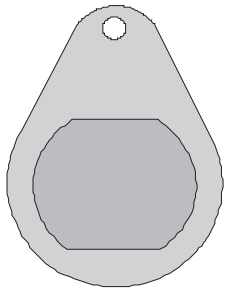
(SCARD SKEY)

31/3/11



SCARD

SKEY



- Proximity Key for access control systems.
- Small, ergonomic design with low profile.
- No battery required.
- There is no wear and tare

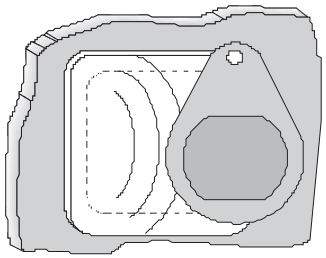
FUNCTIONAL DESCRIPTION

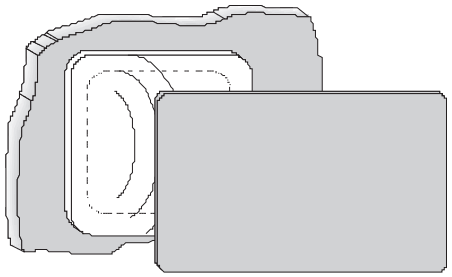
- SCARD/SKEY works via a magnetic field generated by the proximity reader SPROX (125KHz).
- The proximity key needs no battery.
- When the SCARD/SKEY is placed in front the proximity reader, the code is transmitted.
- The proximity receiver reads SCARD/SKEY code, and transmits the information to the receiver thus allowing access.
- There is no possibility to manipulate the reader.
- SKEY can use any of 4 functions available to activate the receivers (Channels)

ACTIVATION

Swipe the SCARD/SKEY over the proximity reader.
The max. distance from SCARD to reader is around 10 cm, 8cm for SKEY.

TECHNICAL SPECIFICATIONS	
Power	NONE
SCARD Material	Hot Laminated PVC
SKEY Material	ABS High Impact
Reading / Programming	contactless
Functions	4
Frecuency	125KHz
Standards	According ETS 300-330
Range	10cm (SCARD) / 8cm (SKEY)
Temperature range	-20º a +80ºC





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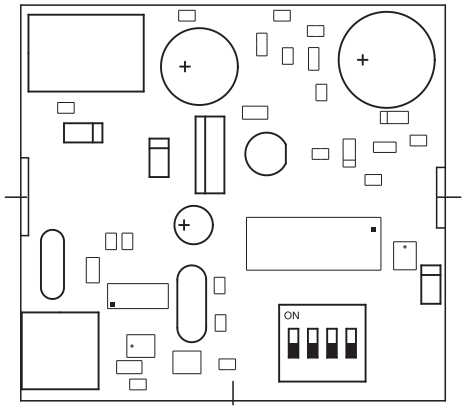


Instruction Manual

(SPROX)

31/3/11

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 acces 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

CHANNEL 1 **CHANNEL 2** **CHANNEL 3** **CHANNEL 4**

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.

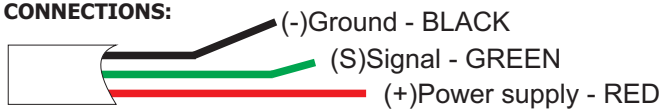
OPTION 4 - WORKING MODE

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
Frecuency	125KHz
Standards	According ETS 300-330
Range	10cm (SCARD) / 8cm (SKEY)
Temperature range	-20º a +80ºC
Cable diameter	Max. length
0.22mm2	100m
0.35mm2	150m
0.5mm2	200m

CONNECTIONS:



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 option 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 options 1 and 2.
- Select the working mode of the reader by the option 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.