

The SMARTair credential encoder is the device that allows to encode the user information in the credential together with reading the existing information in the credential.

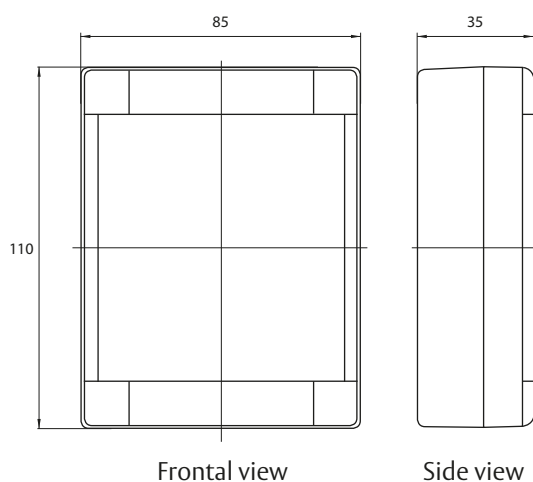


## Functionality

- The SMARTair credential encoder allows to read, encode and update the proximity credentials (cards, tags, sticker, bracelets, etc.). It is recommended to use homologated SMARTair credentials for an optimal performance.
- The encoder will only encode and read the information encoded by the TS1000 software. Information related with a third party application will not be readable.
- Reading and writing of the information from/to the TS1000 management software is done via USB communication. Autonomous operation of the device is not available.

## Mechanical technical characteristics

- Dimensions: 110 (H) x 85 (W) x 35,2 (D) mm
- Weight: 120gr



## Credentials

The identification technologies compatible with the multinorm SMARTair encoder are (all 13,56 MHz):



- MIFARE™ under ISO/IEC 14443 Type A standard
- DESFire™ MIFARE™
- iCLASS® ISO/IEC 15693
- ISO/IEC 15693
- Skidata ISO/IEC 15693

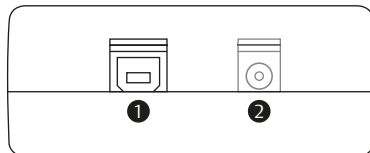
## Electronic technical characteristics

- The encoder receives power supply through the USB cable to the PC. There is no need to use an external power supply unless the USB connector is not 2.0 or higher. *Note: in case a 2.0 or higher USB connector is not available, use the connector number 2.*

The power supply cable has the following characteristics:

- INPUT: 100-240v 50/60Hz 1.0A.
- OUTPUT: 7.5V 1.2A.

- Connections



- ① Female B type USB connector for communication between the encoder and the PC.
- ② Power supply connector (hidden under sticker).

- Light indications.  
Three warning LEDs: red, green and orange.



The LEDs indicate the following operations:

- The three LEDs are simultaneously on during a second and then the red LED stays on: the encoder has been switched on.
- Blinking red LED: The encoder is waiting to detect a credential either to read it or write it.
- Orange LED: not used in encoders. It will always be off.
- Blinking green LED: read and write process is in progress.

## Environmental characteristics

- Operating temperature and humidity: 5°C ~ 50°C with a relative humidity of 90%.
- Storage temperature and humidity: -20°C ~ 50°C with a relative humidity of 95%.