



RFID Reader M125

(interface I²C)

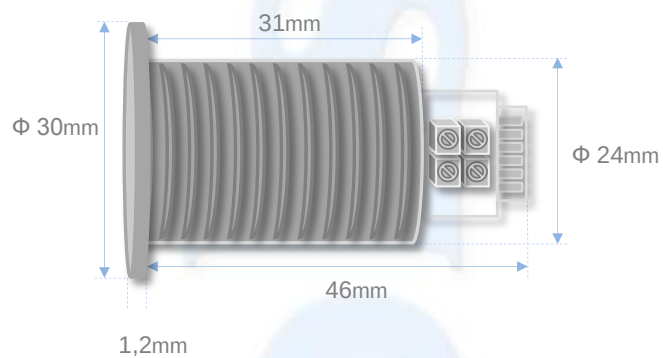


DESCRIPTION

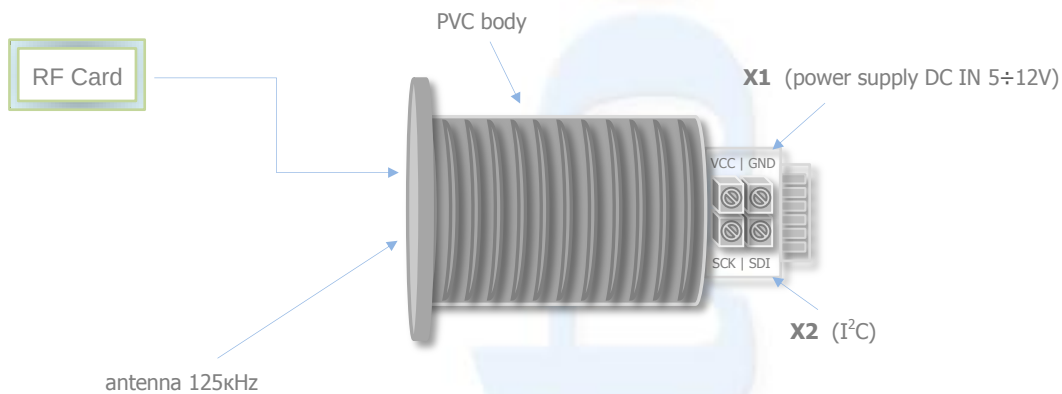
- Compact device for detection of RFID EM4102 compatible tags operating at 125 kHz
- Shows the identification number as ASCII String
- LED identification
- Supports interface I²C

STRUCTURE

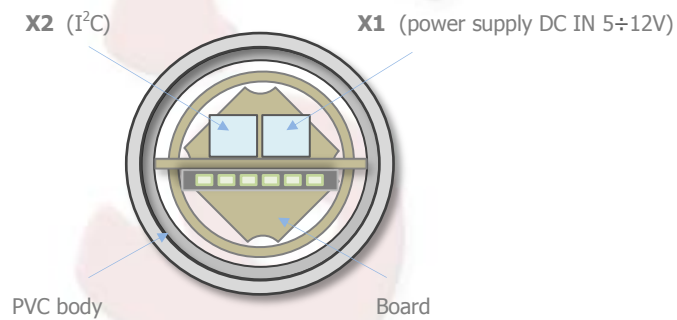
- body: **size**



- view: **side**



- view: **back side**



TECHNICAL FEATURES

- RFID identification - **125kHz, EM4102 and compatible**
- Interface communication - **I²C**
- Length of the interface cable - **up to 20cm**
- Tag reading distance - **up to 6cm**
- Power supply - **DC 5 ÷ 12V**
- Out +5V for supplying external devices - **50mA**
- Power consumption - **90mA**
- Input on writable tags - **WR**
- Work Temperature - **-5 ÷ +50 °C**
- Weight - **30g**

APPLYING

For authentication and control of RFID EM4102 compatible working tags with 125 kHz in:

- Systems for access control (agencies, buildings, hotels, parking lots, garages, etc.)
- Security devices (security shutters, door locks, vaults, deposit boxes, etc.)
- Play halls and amusement parks (billiards, soccer tables, darts, hockey, tennis www.abcsys.eu)
- Vending machines (drinks, cigarettes, coffee, etc.)

INTERFACE DESCRIPTION

I²C hardware address = **10**

Address	High Byte	Low Byte
00	Flags	ID 5
01	ID 4	ID 3
02	ID 2	ID 1

MSB				LSB			
Flags:	?	-	-	-	-	-	-
	MR7	MR6	MR5	MR4	MR3	MR2	MR1
							MR0

Description: **MR0 ÷ MR6** - not usable

MR7 - **0** = Non Valid Tag, **1** = Valid Tag