



## RFlexID - Specifications

### Key Features

- Reads virtually all types of proximity cards and contactless smart cards
- Support programmable encryption keys (mifare, hitag...) & custom algorithm
- Flash firmware on the field upgradable through RS232
- Metal mount with isolation spacer
- Indoor/outdoor use
- Built-in tamper switch protects against unauthorized opening
- Plug-in screw terminals reduce installation time
- Selectable Clock/Data (mag stripe) or Wiegand custom output
- RS232 output
- External control for green led, red led & buzzer
- Amber led under firmware control
- Fit well on a standard european electric box



### Card Technologies currently supported

- HID proximity, all public available format
- EM4102 & compatible UID
- Hitag2 crypto mode read/write
- Hitag2 password mode read/write
- ISO 14443A/B serial number
- MIFARE® serial number
- MIFARE/DESFire serial number
- ISO 15693 serial number
- iCLASS® serial number
- MIFARE® MAD & sectors read/write

### Wiring Connector Pinouts — Pin Description

- |    |  |
|----|--|
| 1  | Mode Select  |
| 2  | RS232 GND  |
| 3  | RS232 RXD  |
| 4  | RS232 TXD  |
| 5  | Red LED external control   |
| 6  | Green LED external control   |
| 7  | Beeper external control  |
| 8  | D1 in Wiegand mode / clock in clock / data mode (mag stripe emulation) |
| 9  | D0 in Wiegand mode / data in clock/data mode (mag stripe emulation)    |
| 10 | Card present output (CLS)  |
| 11 | Power supply (8 to 35 VDC), max. 400 mA                                |
| 12 | Ground   |
| 13 | Tamper (normally closed)   |
| 14 | Tamper (normally closed)   |

#### Output Mode Selection

- Connect Pin 1 (Mode Select) to :
- Pin 10 (CLS) for RFU mode
  - Pin 11 (V+) or left NC for Clock/data mode
  - Pin12 (GND) for Wiegand mode