

## RFID Sensor

### Designated use:

The device is used to control open/closed status of various hatches, doors, crates and as a position and operation sensor. RFID technology guarantees maximum security, reliability and failure-free operation, unlike magnet-based or inductive devices.

### Structure and operation:

The device is composed of a transponder and RFID reader installed in such a way as to be able to move towards and away from each other.

When the transponder reaches a given distance, the device compares a 128-bit code stored in its memory with the transponder's code. Having confirmed that the codes match, the device will change output status to high. If the transponder is moved out of reader's range, output status will be changed to low.



Unlike magnetic and capacitive reed relays, the device cannot be deceived with magnets, coils or other elements. The reader works only with a programmed transponder, applying other transponders does not affect its operation.

### Advantages:

- easy to mount
- reliable technology
- resistant to magnets and other elements
- resistant to other transponders

### Technical Specification:

Power	16 ÷ 32V DC, max 35V
Current draw	45mA
Working temperature	-25...+80°C
Range (air)	0...40 mm
Range (metal)	0...15 mm

