RFID
IND Modbus



Applications:

- Access control and employee identification systems
- Forklift operation supervision
- Industrial machinery access authorization
- Public facility monitoring (stadiums, exhibition halls)
- Wireless transaction systems (e.g. in diners)
- Logistical systems for storeroom management and tracking resources
- Employee work time recording

Characteristics:

- Modbus RTU (RS-485 port) communication allowing for integration with a Master device.
- Control over two relay outputs and monitoring two digital inputs.
- SLOT option allowing the user to insert a card into the reader while maintaining the enclosure's IP rating - a perfect solution for machine access authorization.
- Configuration software allowing for customization of communication parameters and device responses for RFID tag application.
- Mifare cards programming.

Technical characteristics

Power supply	10-24V DC, 3,5mm screw terminal	USB B: 5V DC	
Power consumption	Max. 0,5W		
Transponders	Unique EM4100, EM4102	HITAG 2	
	Mifare ® (Classic, Plus (UID), DESFire (UID))		
Inputs	Amount of digital inputs:	Input type: NO (Normally Open)	
Outputs	Amount of outputs: 2	Output type: NO, relay	Maximum relay load: 1A @ 30V DC
Communication	RS485 port (Modbus RTU)	USB type B port for configuration	
Enclosure	IP rating: IP65	Dimensions: 100 x 100 x 55,6mm (SLOT version: 100 x 100 x 70mm)	
Operating temperature	From -10°C to +55°C		

Version	RFID standard			Slot	Catalogue number
	Unique	HITAG 2	Mifare®		
IND Modbus 125kHz Uni	✓				I1-0001-0200-00
IND Modbus 125kHz Uni Slot	✓			✓	I1-0001-0208-00
IND Modbus 125kHz Mif			✓		I1-0002-0200-00
IND Modbus 125kHz Mif Slot			✓	✓	I1-0002-0208-00
IND Modbus 125kHz HT2		✓			I1-0010-0200-00
IND Modbus 125kHz HT2 Slot		✓		✓	I1-0010-0208-00