

RFID Card Reader for Access Control Systems ID RW02 (125 kHz)



FEATURES

- Multi-tag card reader for all common 125 kHz transponders (e.g. NXP HITAG, EM Read Only)
- RS232 and Data-/Clock interface (Wiegand) or RS485
- Suitable for indoor- and outdoor use (IP 54)





SHORT DESCRIPTION

Order description:

ID RW02.10-AD/-B RFID Card Reader

ID RW02.10-AD / -B is designed as a wall-mounted device for contactless data exchange with common 125 kHz transponders for applications like access control and time attendance.

For power supply an external power supply unit is necessary, data exchange with a computer or other equipment is carried out via a serial (RS232 or RS485) or a Data-/Clock interface (Wiegand).

Scope of delivery:

- Card Reader ID RW02.10-AD or ID RW02.10-B
- Wall-mounted housing for surface mounting
- Installation manual

TECHNICAL DATA

Dimensions (W x H x D)	
Card Reader	84 mm x 84 mm x 22 mm (3.33 in x 3.33 in x 0.87 in)
Wall-mounted housing	78 mm x 78 mm x 18 mm (3.07 in x 3.07 in x 0.71 in)
Housing	Plastic (ASA) / Front: acrylic glass
Color	Corpus: white/Front panel: black
Weight	approx. 150 g
Protection class	IP 54
Temperature range	
Operation	-25 °C up to 70 °C
Storage	-40 °C up to 85 °C
Relative air humidity	95 % (non-condensing)
MTBF	307.000 h
Supply voltage	12-24 V AC / DC
Current consumption	max. 2,5 W
Interfaces	
ID RW02.10-AD	RS232 and Data-/Clock (Wiegand)
ID RW02.10-B	RS485 (max. 32 devices / data bus)
LED	Bicolor (Red /Green / Orange)
Operating frequency	125 kHz
Antenna	integrated, approx. 70 mm x 70 mm
Beeper	integrated
Relay	1 closer
Digital inputs	2 (max. cable length 3 m)
Read range	maximum 7 cm
Supported transponders	125 kHz ReadOnly transponders ¹ 125 kHz Read/Write transponders ²
Operation modes	Polling-Mode & Auto-Answer-Mode

¹ For example ID CTxA, H4001, H4002, H4022, Unique, Q5, e5555 etc.

² For example ID DTxB, ID DTxC, HITAG 1, HITAG S, etc.

* Read ranges depend on the used transponders; here made statements relate on an inlet size of 76 mm x 45 mm (3.00 in x 1.78 in)

STANDARD CONFORMITY

Radio approval	
Europe	EN 300 330
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364
Environment	WEEE – 2002/96/EC RoHS – 2002/95/EC