

Proximity Reader ID RWA02 (125 kHz)



FEATURES

- Multi-tag Reader for all common 125 kHz transponders
- Interfaces: RS232 or RS485
- Suitable for indoor- and outdoor use (IP 54)
- Reader has its own local intelligence, the most important functions of the reader can be configured to support an offline operational mode





SHORT DESCRIPTION

Order description:

ID RWA02.10-AD/-B Proximity Reader

ID RWA02.10-AD / -B is designed as a wall-mounted device for contactless data exchange with common 125 kHz transponders for applications like access control, time attendance and payment systems.

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.

Scope of delivery:

- Reader ID RWA02.10-AD or ID RWA02.10-B
- Surface spacer for surface mount installation
- Installation manual

TECHNICAL DATA

Dimensions (W x H x D)

Reader	84 mm x 84 mm x 22 mm (3.33 in x 3.33 in x 0.87 in)
Surface spacer	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 RWA02.10-AD	RS232
ID RWA02.10-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

¹ For example ID CTxA, H4001, H4002, H4022, H4102, 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
USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364
Environment	WEEE – 2002/96/EC RoHS – 2002/95/EC