Proximity Reader
ID RW02 (125 kHz)

FEATURES

→ Multi-tag Reader for all common
125 kHz transponders

→ Interfaces: RS232 and Data-
/Clock interface or RS485

→ Suitable for indoor- and outdoor
use (IP 54)

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SHORT DESCRIPTION

Order description:

ID RW02.10-AD/-B   Proximity 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, 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 RW02.10-AD or ID RW02.10-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 RW02.10-AD	RS232 and Data-/Clock
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 transponders[1]
Operation modes	Polling-Mode & Auto-Answer-Mode

[1] For example HITAG S, HITAG 1 and HITAG 2 by NXP, 555x by Temic, Unique and Q5 by Sokymat,
EM 4001, EM 4002, EM 4022, EM 4102 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