

OBID® classic

## 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)



OBID® – RFID by FEIG ELECTRONIC



## 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

<b>Dimensions (W x H x D)</b>	
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)
<b>Housing</b>	
Color	Plastic (ASA) / Front: acrylic glass
Weight	Corpus: white/Front panel: black approx. 150 g
Protection class	IP 54
<b>Temperature range</b>	
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
<b>Interfaces</b>	
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 <sup>1</sup> 125 kHz Read/Write transponders <sup>2</sup>
Operation modes	Polling-Mode & Auto-Answer-Mode

<sup>1</sup> For example ID CTxA, H4001, H4002, H4022, Unique, Q5, e5555 etc.

<sup>2</sup> 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

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