



MIFARE® Readers

exsmart² is a range of **high-performance** contactless MIFARE® smart card readers from TDSi. Available with or without a backlit tactile keypad, **exsmart²** is designed to be mounted in a standard electrical back-box making for a **neat** and **simple** installation. All products are supplied with a choice of covers allowing the look of the reader to be changed to suit its surroundings.



Overview of the **exsmart²** reader

Features

- Mounting into a standard electrical back-box
- Tough plastic clip-on covers in both graphite and light grey
- Supports the 2 Reader Mode of **microgarde** access control units
- Available with a blue backlit keypad
- Pluggable terminal block cable termination
- Fully encapsulated design
- Integral LEDs and sounder
- Industry standard outputs
- Read range of 50 mm (nominal)

Benefits

- Neat installation into a standard fitting
- Adapt the look of the reader to suit the surroundings
- Use **microgarde** to control 2 doors both with read-in/read-out. Saves on hardware, installation time and cost.
- Increase security by adding a PIN to your card-based access control
- Allows the cable to be pre-wired prior to installation of the reader for convenience
- Provides maximum protection against water ingress making it suitable for mounting both indoor and out
- Gives the user unambiguous audible and visual indication of card reads and access status. Maximises user confidence
- Allows connection to all standard access control panels
- Easy to use



exsmart² K MIFARE® reader with keypad

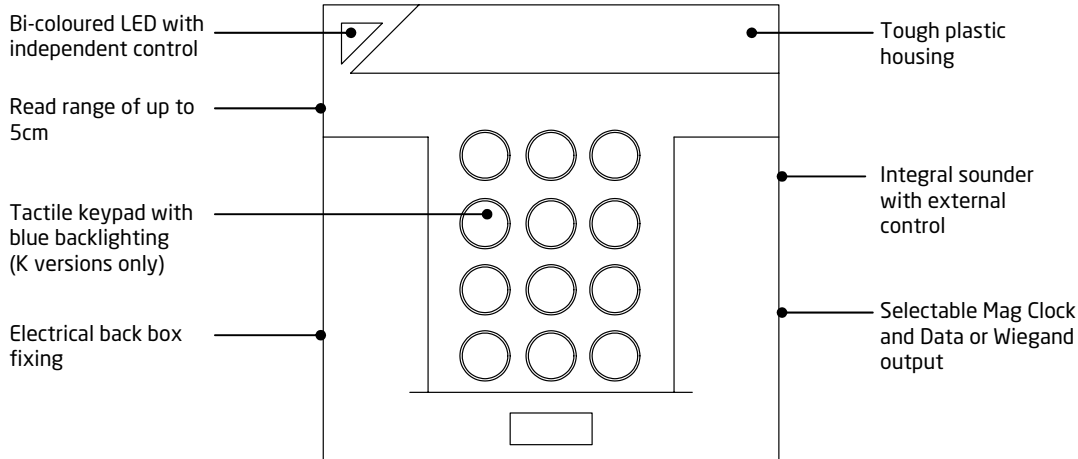
exsmart²

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Technical Data

Dimensions	102 x 102 x 20 mm. Connector including terminal block protrudes by 11 mm from rear face.
Weight	270 g
Operating environment	-20°C to +55°C, 0 to 95 %RH (non-condensing)
Power supply	9 to 16 VDC, 100 mA max
Operating frequency	13.56 MHz (nominal)
Card technology	ISO14443-A: MIFARE Standard (1k) MF1 ICS50, MIFARE (4k) MF1 ICS70
Sounder	Integral with external control
LEDs	2 -red and green both with independent external control. Bi-colour input capability for connection to TDSi access control units.
Read range	50 mm (nominal) with ISO card
Output formats	Mag stripe, 26-bit Wiegand

Ordering Information

Part Number: Product Description:

5002-0435	exsmart ² MIFARE® CSN reader
5002-0436	exsmart ² MIFARE® CSN reader with keypad
2920-3000	Compatible ISO 1K MIFARE® card—plain white
2920-3001	Compatible ISO 4K MIFARE® card—plain white
2920-3002	Compatible ISO 1K MIFARE® card—white with serial number printed
2920-3003	Compatible ISO 4K MIFARE® card—white with serial number printed

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