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
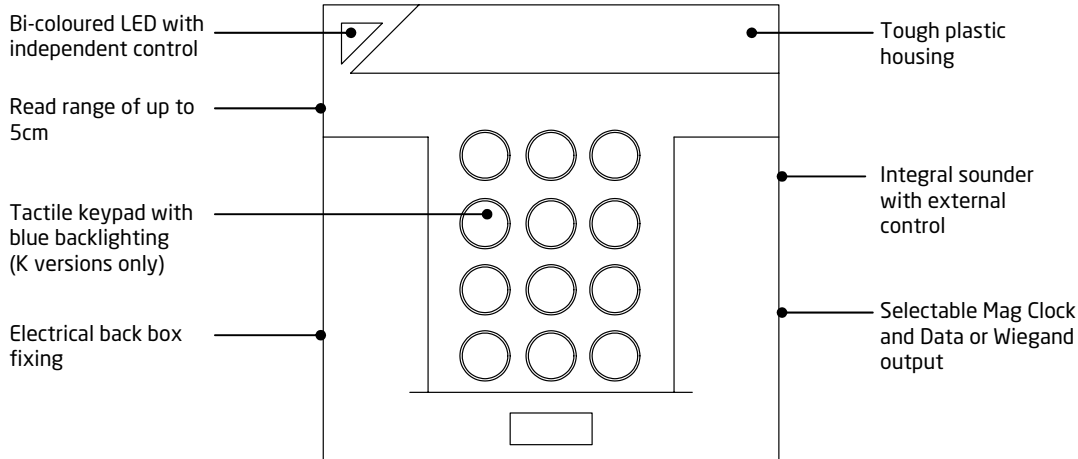
- Easy to use

exsmart² K MIFARE® reader with keypad

exsmart²

MIFARE® Readers

Bi-coloured LED with independent control

Read range of up to 5cm

Tactile keypad with blue backlighting (K versions only)

Electrical back box fixing

Tough plastic housing

Integral sounder with external control

Selectable Mag Clock and Data or Wiegand output

exsmart²

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	exsmart² MIFARE® CSN reader
5002-0436	exsmart² 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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