Proximity Readers

exprox² is a range of **high-performance** contactless proximity readers from TDSi. Available with or without a backlit tactile keypad, **exprox²** 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 exprox² 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 150 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
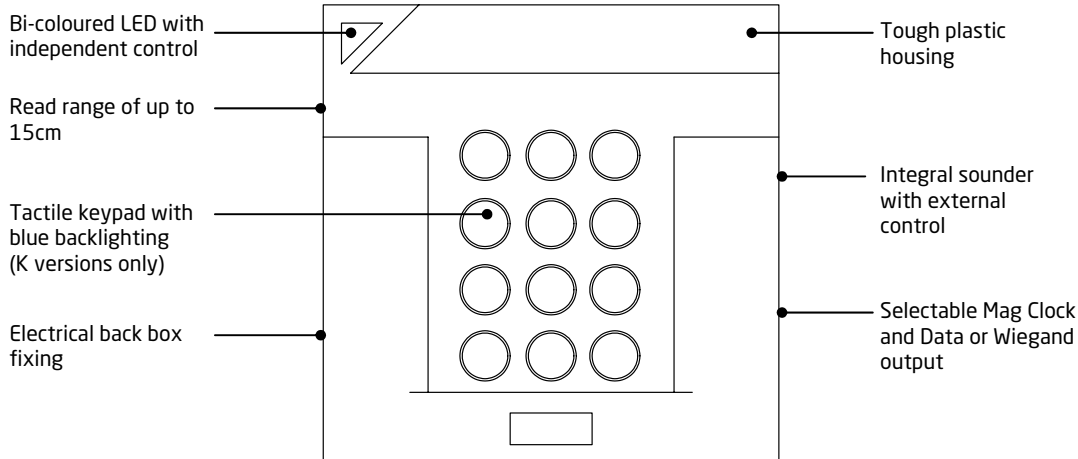
- Easy to use

exprox² K reader with keypad

Proximity Readers

- Bi-coloured LED with independent control
- Read range of up to 15cm
- 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

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, 75 mA max
Operating frequency	126 kHz (nominal)
Card technology	EM4100, EM4102, EM4200 and compatible
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	150 mm (nominal) with ISO card, 70 mm (nominal) with tag
Output formats	Mag stripe, 26-bit Wiegand

Ordering Information

Part Number:	Product Description:
5002-0395	exprox² proximity Reader
5002-0396	exprox² proximity reader with keypad
4262-0245	Compatible ISO proximity card
4262-0246	Compatible proximity tag

exprox²

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