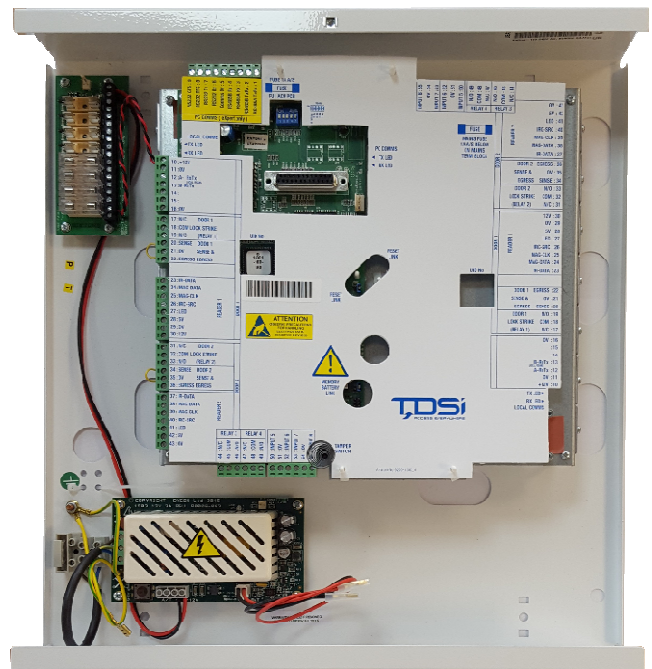# EXpert² Controller

Networkable access control unit

A fully featured, networkable access control unit, the EXpert² boasts a high specification with supervised inputs and relays making it suitable for monitoring and signalling alarm conditions or for integration with intruder alarm and Building Management Systems.

The expansion capabilities of this controller makes for good versatility and enables the access control system to be easily added to at a later date. EXpert² is the ideal platform for those who demand the most from an access control system.

Key Features

- 47000 card capacity

- 2 reader, 1 or 2 door controller

- Main reader output formats supported

- 3A mains power supply unit

- Standby battery facility

- Fully expandable—up to 7 EXpert² slave units per master giving control of up to 16 doors

- Optional 32 input, 16 output module

- Local programming using EXkeypad accessory

- 1,000 event buffer

- Compatible with EXgarde PC software

- Robust enclosure design

- Integral tamper switch

- Supervised inputs

- High capacity Form C changeover relays

- Available with integral TCP/IP port

- 3 year warranty.

Ordering Information

Part Number: 5002-3002
Description: EXpert² advanced 2 door access control unit

Part Number: 5002-3012
Description: EXpert² IP advanced 2 door access control unit with TCP/IP port

Part Number: 5002-3042
Description: EXpert² slave control unit

Part Number: 5002-2070
Description: EXkeypad Programmer

Part Number: 5002-3060
Description: 32 input 16 output card for EXpert

Part Number: 5002-3063
Description: EXpander² 2 door expansion module for EXpert.

EXpert² Controller

Specification	
TDSi Part No.	5002-3002 / 5002-3012
Dimensions	390 x 410 x 90 mm
Weight	7.25kg
Operating Enviroment	-5°C to + 45°C, 0 to 95%RH (non-condensing)

Power	
Input	230Vac +10% -15%, 50Hz ± 15% (0.45A Max)
Output	13.8Vdc (Nominal) (3A Max) 4 X 1A (individually fused)*
Battery	10.5 to 12.3Vdc 1 x 7Ah Sealed lead Acid (optional)

Features	
Max Cards	47000
Doors	1 or 2
Readers	Maximum of 2 using the majority of reader, keypad and biometric technologies including those with standard clock & data, 26-bit Wiegand and HID standard 37-bit (H10302) output formats.
Inputs	8 in total; *6 spare when used in 1 door mode or 4 spare when used in 2 door mode for monitoring other equipment. Can be increased with the use of EXpert2 and EXin/EXout module*
Outputs	4 changeover relay outputs (30V, 2A contact rating) in total; 3 spare when used in 1 door mode or 2 spare when used in 2 door mode for controlling other equipment. Can be increased with the use of EXpert2 and EXin/EXout module
Time groups	64
Anti-passback	Timed and true
Mantrap function	Yes
Communications	RS232, RS485, Ethernet (TCP/IP) with in-built RS-485 converter for up to 30 downstream controllers (EXpert2 IP model only)

* Up to PSU total current limit

Typical installation