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.

Features of the **expert²** controller

Features	Benefits
48,000 card capacity	Large number of cards can be loaded. Suitable for medium to large systems
2 reader, 1 or 2 door controller	Complete control for up to 2 doors
Main reader output formats supported	Allows retrospective fitting to existing systems
3 A mains power supply unit	Power for the door controller, readers and locks. No need to purchase a separate power supply
Standby battery facility	Allows the system to continue to operate in the event of power failure
Fully expandable—up to 7 **expert²** slave units per master giving control of up to 16 doors	Offers complete flexibility. System can be built on dependant on requirements
Optional 32 input, 16 output module	Use **expert²** for applications such as lift control, alarm management and interfacing to intruder and fire panels
Local programming using eXkeypad accessory	Program and control the system without the need for PC communications
1,000 event buffer	Continues to operate and store events even with the loss of communications. Ensures disruption-free operation
Compatible with eXguard PRO PC software	Realise the full potential of your access control system with this advanced, feature rich PC software
Robust enclosure design	Provides protection against impact
Integral tamper switch	Alerts to the case cover being removed further enhancing security
Supervised inputs	Provides tamper protection for inputs
High capacity Form C changeover relays	Allows the door locks to be wired as fail safe or fail secure
Available with integral TCP/IP port	Simplifies installation and commissioning
3 year warranty	Complete piece of mind

expert²

TDSi
ACCESS EVERYWHERE

Networkable access control unit

- Knock-outs for cable trunking
- Fused power distribution for controller and locks
- Programming port for optional eXkeypad
- Multiple cable entry positions
- Optional eXpert² Slave Control
- Rising clamp pluggable connectors
- Integral tamper switch
- High quality 3 A linear power supply
- Space for 7 Ah standby battery
- Standby battery charging capability
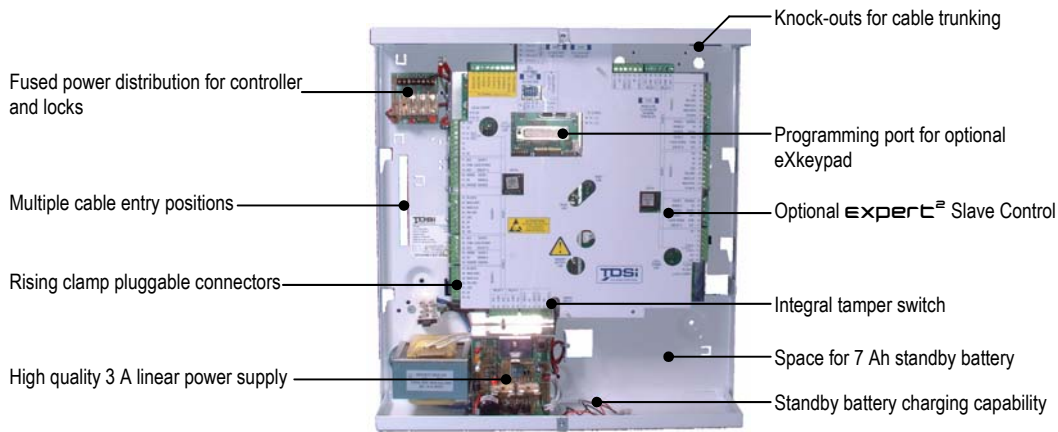
Technical Data

Dimensions	390 x 410 x 90 mm
Weight	7.25 kg
Operating Environment	-5°C to +45°C, 0 to 95%RH (non-condensing)
Power Supply	Input: 230 Vac nominal +10 %/-15 % Output (mains power): 13.6 to 14 VDC Output (standby battery): 10.5 to 12.3 VDC Output current: 3 x 1A (individually fused) Electronic overload protection Recommended standby battery type: 1 x 7 Ah Sealed Lead Acid
Max Cards	48,000 when used in 2 door mode
Readers	Maximum of 2 using the majority of reader, keypad and biometric technologies including TDSi Microcard, eXprox, Optica and those with standard clock & data, Wiegand and HID standard 37-bit (H10302) output formats
Doors	1 or 2
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 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 eXin/eXout module
Time groups	64
Anti-passback	Timed and true
Mantrap function	Yes
Communications	RS-232, RS-485, Ethernet (TCP/IP) with in-built RS-485 converter for up to 30 downstream controllers (eXpert 2 IP model only)

Ordering Information

Part Number:	Description:
5002-3002	eXpert² advanced 2 door access control unit
5002-3012	eXpert² IP advanced 2 door access control unit with TCP/IP port
5002-3042	eXpert² slave control unit
5002-2070	EXkeypad Programmer

eXpert²