



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

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- 48,000 card capacity
- 2 reader, 1 or 2 door controller
- Main reader output formats supported
- 3 A 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 eX keypad accessory
- 1,000 event buffer
- Compatible with eXguard PRO 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

Benefits

- Large number of cards can be loaded. Suitable for medium to large systems
- Complete control for up to 2 doors
- Allows retrospective fitting to existing systems
- Power for the door controller, readers and locks. No need to purchase a separate power supply
- Allows the system to continue to operate in the event of power failure
- Offers complete flexibility. System can be built on dependant on requirements
- Use **expert²** for applications such as lift control, alarm management and interfacing to intruder and fire panels
- Program and control the system without the need for PC communications
- Continues to operate and store events even with the loss of communications. Ensures disruption-free operation
- Realise the full potential of your access control system with this advanced, feature rich PC software
- Provides protection against impact
- Alerts to the case cover being removed further enhancing security
- Provides tamper protection for inputs
- Allows the door locks to be wired as fail safe or fail secure
- Simplifies installation and commissioning
- Complete piece of mind

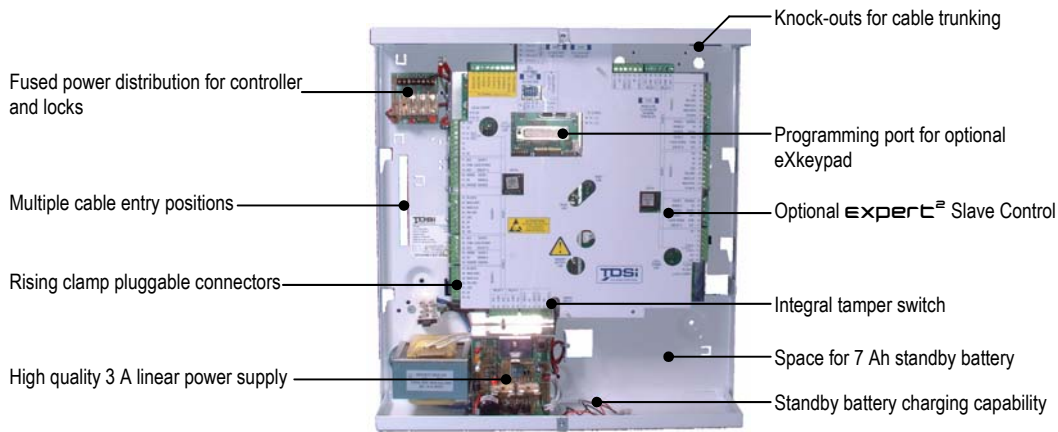
expert²



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Networkable access control unit



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	expert ² advanced 2 door access control unit
5002-3012	expert ² IP advanced 2 door access control unit with TCP/IP port
5002-3042	expert ² slave control unit
5002-2070	EX keypad Programmer



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