

# EXpert<sup>2</sup>



## Networkable access control unit

A fully featured, networkable access control unit, the EXpert<sup>2</sup> 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. EXpert<sup>2</sup> is the ideal platform for those who demand the most from an access control system.

## SPECIFICATIONS

TDSi Part No.	5002-3002/2005-3012
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: 100~240 Vac 50/60 HZ 2A max Output (mains power): 13.6 to 14 VDC Output (standby battery): 10.5 to 12.3 VDC Output current: 4 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, 26-bit 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: 5002-3002**
**Description:** EXpert<sup>2</sup> advanced 2 door access control unit

**Part Number: 5002-3012**
**Description:** EXpert<sup>2</sup> IP advanced 2 door access control unit with TCP/IP port

**Part Number: 5002-3042**
**Description:** EXpert<sup>2</sup> slave control unit

**Part Number: 5002-2070**
**Description:** EX keypad Programmer

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

**Part Number: 5002-3063**
**Description:** EXpander<sup>2</sup> 2 door expansion module for EXpert.

## FEATURES & BENEFITS

**Up to 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.

**4 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 EXpert<sup>2</sup> 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 EXgarde 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 peace of mind.



**TDSi UK**  
Unit 10 Concept Park,  
Innovation Close,  
Poole,  
Dorset BH12 4QT  
United Kingdom  
t: +44 (0)1202 723535  
f: +44 (0)1202 724975  
e: sales@tdsi.co.uk

**TDSi France**  
Immeuble ATRIA,  
2 rue du Centre,  
93160 NOISY LE GRAND,  
France  
t: +33 (0)1 58 84 20 90  
f: +33 (0)1 58 84 20 91  
e: infos@tdsi-france.com

**TDSi China**  
Rm 103, 1 Bld,  
Shangsha Innovation Science  
& Technology Park,  
9283 Binhai Road,  
Futian District,  
Shenzhen 518048,  
P.R.China  
t: 86-755-82535725,  
82535720  
f: 86-755-82535770  
e: tdsiinfo@microgarde.com.cn