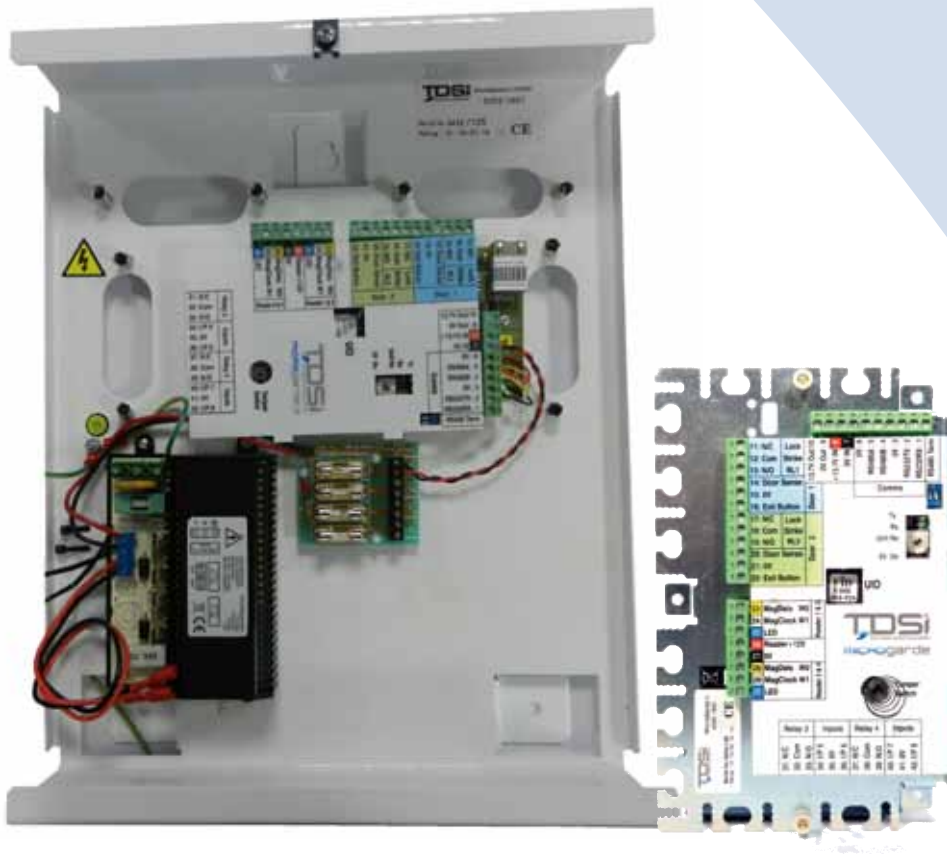# MICROgarde® II

2 door / 4 reader controller

MICROgarde® II is a cost effective networked access control unit giving the advantages of central control and event reporting.

Each controller can run independently or as part of a network. MICROgarde® is also available as a starter kits providing an easy way of ordering the essential items for your installation—simply add the power supply and door furniture.

MICROgarde® II

SPECIFICATIONS

TDSi Part No.	5002-1800/5002-1806
Dimensions	210 x 135 x 47 mm (without PSU) 346 x 280 x 85 mm (with PSU)
Weight	600 g (without PSU), 4.9kg (with PSU)
Operating Environment	-5°C to +45°C, 0 to 95%RH (non-condensing)
Power Supply	Input: 10 to 14 VDC, 1 A (without PSU) 100 to 240 VDC, 1.2A (with PSU)
Max Cards	10,000 when used with EXgarde EXPRESS PC software 20,000 when used with EXgarde PRO PC Software
Readers	Maximum of 4 readers using TDSi EXprox, Optica® and Digital Microcard readers when used in a read-in read-out configuration. Alternatively 2 readers equipped with industry standard clock & data (ABA track 2 emulation), 26-bit Wiegand and HID standard 37-bit (H10302) output formats.
Doors	0, 1 or 2
Inputs	4 in total; 2 used per installed door
Outputs	2 (30 V, 2 A rating) in total; 1 used per installed door
Expansion options	Changeover relay module adds 2 additional relay outputs and 4 additional inputs
Communications	RS-232 with built-in converter to RS-485 for downstream units. TCP/IP Optional.

ORDERING INFORMATION

Part Number: 5002-1800
Description: MICROgarde® II standard without power supply

Part Number: 5002-1801
Description: MICROgarde® II with TCP/IP

Part Number: 5002-1806
Description: MICROgarde® II with 3A power supply

Part Number: 5002-1807
Description: MICROgarde® II TCP/IP with 3A power supply

Part Number: 5002-1805
Description: MICROgarde® II Starter Kit—English

Part Number: 5002-1815
Description: MICROgarde® II Starter Kit—French

Part Number: 5002-1825
Description: MICROgarde® II Starter Kit—Spanish

Part Number: 5002-1835
Description: MICROgarde® II Starter Kit—Italian

Part Number: 5002-1813
Description: MICROgarde® RS-232 communications cable

Part Number: 5002-1811
Description: MICROgarde® I/O module upgrade kit

Part Number: 5002-1812
Description: MICROgarde® TCP/IP module upgrade kit

FEATURES & BENEFITS

Two door networkable access control unit. Up to 400 doors can be controlled in the same network
Allows easy system expansion.

Use TDSi or third-party readers
Allows retrospective fitting to existing systems.

Impact resistant ABS enclosure with Tamper detection
Immediate warning if the case is opened.

Built in RS-232/RS-485 converter
No need to carry and install a separate converter.

Reversible 2-wire RS-485 communication
Easy to install and maintain.

Variable lock times
Ensures DDA compliance.

Diagnostic LEDs
Simplifies commissioning.

Additional I/O and TCP modules available
Enables system integration and complete flexibility.

Automatic fire door release
Automatic control of selected doors in the event of a fire[1].

Full compatibility with EXgarde PRO
Easy upgrade path for enhanced functionality and further systems integration.

Order with intuitive free software
No need for training.

[1]Fire door release feature is not to be used as the primary method of releasing fire doors.

STARTER KIT

• 1 MICROgarde® II controller
• 2 EXprox proximity readers
• 1 RS-232 cable
• 10 proximity cards
• 1 CD-ROM containing PC software
• Fixing kits