

# MICROgarde Controller

1 Door / 2 Reader or 2 Door / 4 Reader access control units

MICROgarde® 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 Key Features

- Up to 30000 card capacity with MICROgarde I
- Up to 25000 card capacity with MICROgarde II
- 2 reader, 1 or 2 door controller
- Main reader output formats supported
- 3A mains power supply unit
- Standby battery facility
- 1,000 to 50,000 event buffer
- Compatible with EXgarde PC software
- Robust enclosure design
- Integral tamper switch
- Supports supervised inputs
- High capacity Form C changeover relays
- Available with integral TCP/IP port
- 3 year warranty.



## Ordering Information

**Part Number:** 5002-1800  
**Description:** MICROgarde II® 2 door access control unit

**Part Number:** 5002-1801  
**Description:** MICROgarde II® 2 door access control unit with TCP/IP port

**Part Number:** 5002-1806  
**Description:** MICROgarde II® 2 door access control unit with PSU

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

**Part Number:** 5002-1900  
**Description:** MICROgarde i® I standard without power supply

**Part Number:** 5002-1901  
**Description:** MICROgarde I® I with TCP/IP

**Part Number:** 5002-1901  
**Description:** MICROgarde I® I with TCP/IP

**Part Number:** 5002-1906  
**Description:** MICROgarde i® I with 3A power supply

**Part Number:** 5002-1907  
**Description:** MICROgarde I® I TCP/IP with 3A power supply

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

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

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

English, French, Spanish and Italian Starter kits also available.

# MICROgarde Controller



Specification	
TDSi Part No.	<sup>1</sup> (5002-1800 / 5002-1801 / 5002-1806 / 5002-1807) <sup>2</sup> (5002-1900 / 5002-1901 / 5002-1906 / 5002-1907)
Dimensions	210 x 135 x 47mm (without PSU) 346 x 280 x 85mm (with PSU)
Weight	600g (4.9kg with PSU)
Operating Environment	-5°C to + 45°C, 0 to 95%RH (non-condensing)
Power	
Input	10 to 14 VDC 1A (without PSU) 100~240 Vac 50/60HZ (2A Max)(with PSU)
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	Up to 30000 (with expanded memory MG I), Up to 25000 (with expanded memory MG II)
Doors	1 or 2
Readers	2 or 4 readers using TDSi-R-1N-* 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
Inputs	4 in total; 2 used per installed door
Outputs	2 (30 V, 2 A rating) in total; 1 used per installed door
Expansion Option	Changeover relay module adds 2 additional relay outputs and 4 additional inputs
Time groups	64
Anti-Passback	Timed and true
Mantrap function	Yes, MG II only
Communications	RS232, RS485, TCP/IP

<sup>1</sup> MICROgarde 1, <sup>2</sup> MICROgarde 2 \* Up to PSU total current limit,

## Typical MICROgarde II installation

