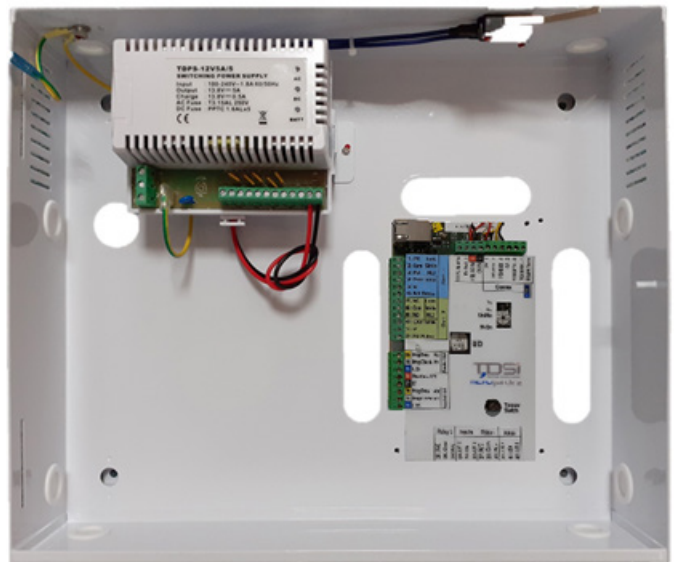# MICROgarde Controller

1 Door / 2 Readers or 2 Door / 4 Readers Access Control Units

MICROgarde is a cost-effective networked access control unit that offers the advantages of central control and event reporting. MICROgarde is also available as a starter kit, providing an easy way of ordering the essential items for your installation - simply add the power supply and door furniture.

Features

- Up to 30,000 card capacity with MICROgarde I
- Up to 25,000 card capacity with MICROgarde II
- 4 reader + 2 doors or 2 reader + 1 door controller
- Multiple reader formats supported
- 5A mains power supply unit
- Standby battery facility & charging
- 1,000 to 50,000 event buffer
- Compatible with TDSi EXgarde PC & GARDiS Software
- Robust monitored enclosure design
- Integrated tamper switch
- Supports supervised inputs
- High-capacity Form C changeover relays
- 3-year warranty

Ordering Information

MICROgarde with IP		
MICROgarde I + IP	1 Door Control Panel with IP	**5002-1901**
MICROgarde II + IP	2 Door Control Panel with IP	**5002-1801**
MICROgarde with IP + Power Supply Unit		
MICROgarde I + IP + PSU	1 Door Control Panel with IP + Power Supply Unit	**5002-1907**
MICROgarde II + IP + PSU	2 Door Control Panel with IP + Power Supply Unit	**5002-1807**
MICROgarde with IP + Power over Ethernet		
MICROgarde I + IP + PoE	1 Door Control Panel with IP + Power over Ethernet	**5002-1914**
MICROgarde II + IP + PoE	2 Door Control Panel with IP + Power over Ethernet	**5002-1814**
MICROgarde Modules		
MICROgarde Input / Output	Provides 4 Supervised Inputs and 2 Dry Contact Relay Outputs	**5002-1811**
MICROgarde TCP / IP	Connect your MICROgarde Control Panel to a LAN or WAN	**5002-1812**
MICROgarde IP Demo Case	MGII IP Controller, EXprox Reader, RTE Button and PSU	**5002-1921**

Specification

	MICROgarde without PSU	MICROgarde with PSU
TDSi Part Number	5002-1801 / 5002-1901	5002-1807 / 5002-1907 / 5002-1814 / 5002-1914
Dimensions	210 x 135 x 47mm	365 x 310 x 90mm
Weight	600g	3.4kg
Operating Environment	-5°C to + 45°C, 0 to 95% RH (non-condensing)	
Power		
Input	10 to 14 VDC 1A (without PSU)	100 – 240Vac, 50 – 60Hz, 1.8A Max PoE+/PoE++, IEEE 802.3at/bt (with PoE module)
Output	13.8Vdc (Nominal) (5A Max) 5 X 1A (individually fused)*	
Battery	10.5 to 12.3Vdc 1 x 7Ah sealed lead acid (optional)	
Features		
Users	Up to 30,000 (with expanded memory MG I), Up to 25,000 (with expanded memory MG II).	
Doors	1 or 2	
Readers	2 or 4 using TDSi readers in a read-in read-out configuration. Alternatively 2 readers equipped with industry standard Magnetic (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 Options	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	
Communication	RS232, RS485, TCP/IP	