MICROgarde Controller

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

MICROgarde® is a cost-effective networked access control unit that offers 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 kit, providing an easy way of ordering the essential items for your installation - simply add the power supply and door furniture.

Key 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
- 3A mains power supply unit
- Standby battery facility & charging
- 1,000 to 50,000 event buffer
- Compatible with TDSi EXgarde PC software
- Robust monitored enclosure design
- Integrated tamper switch
- Supports supervised inputs
- High capacity Form C changeover relays
- 3-year warranty

Ordering Information

Part No. 5002-1801
Description: MICROgarde II® 2 door access control unit with TCP/IP port.

Part No. 5002-1807
Description: MICROgarde II ® 2 door access control unit TCP/IP with 3A power supply.

Part No. 5002-1901
Description: MICROgarde I® 1 door access control unit with TCP/IP.

Part No. 5002-1907
Description: MICROgarde I® 1 door access control united with TCP/IP and 3A power supply.

Part No. 5002-1814
Description: MICROgarde II 2 door access control unit with TCP/IP with PoE supply.

Part No. 5002-1914
Description: MICROgarde I 1 door access control unit with TCP/IP with PoE supply.

Part No. 5002-1811
Description: MICROgarde® 1 I/O module upgrade kit.
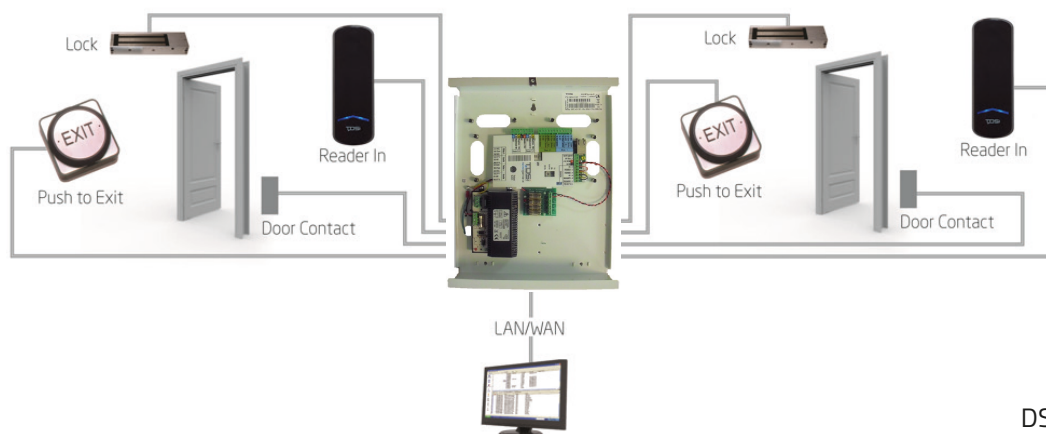
Part No. 5002-1812
Description: MICROgarde® TCP/IP module upgrade kit.

Specification

TDSi Part No.	5002-1801 / 5002-1807 / 5002-1814) (5002-1901 / 5002-1906 / 5002-1907 / 5002-1914
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) 230Vac +10% -15%, 50Hz ±15% (0.45A Max)(with PSU) PoE+/PoE++, IEEE 802.3af/bt (with PoE module)
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	Up to 30000 (with expanded memory MG I), Up to 25000 (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 clock & data c(ABA track 2 emulation), 26-bit Wiegandand 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
Communications	RS232, RS485, TCP/IP

* Up to PSU total current limit

Typical MICROgarde II installation

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