



2-Door Controller

GEN-045

The GEN-045 Two Door Controller connects to the genesis Master Panel and provides powerful integrated security/access control. It is possible to add multiple controllers on the genesis RS485 LAN network. The standard TDC unit includes provision for two entry doors, or one in/out door.

For high rise application, a common LAN cable can be dropped down the riser and one or more TDC controllers installed on each floor, providing an easy and quick installation with expansion of up to 128 doors.

The GEN-045 TDC provides an in-built cache for each door. This means that each door may continue to function in stand-alone mode even if there is no communication with the master panel.

Access is incredibly fast because there is no reliance upon the master for the granting of access. The LAN communication is transmitted at an incredibly high speed, operating at 19,200 baud rate. That means that the card presentation response is virtually instantaneous, even on larger sites.

Anti-Pass back zones are supported where in/out readers are required. The programmable entry counters can be incorporated where TDCs can monitor the number of card users on site. The counter function is ideal for car parks and similar controlled access applications. Selectable access levels for dual custody and PIN & Card access control function are supported.

The on-board RS-232 interface provides direct connection to PC. That means you can connect a PC anywhere on the Genesis RS485 LAN. The system supports up to 9,400 Card/PIN users with in-built database that provides full text capabilities. It is possible to upload the database to a PC and still have all the text information. There is no compromise between the number of users and the text facility.

2-Door Controller provides

- ◆ Two Wiegand card reader inputs
- ◆ Two egress inputs
- ◆ Two door position inputs
- ◆ Two general purpose inputs
- ◆ 4 x General purpose outputs
- ◆ Two high current relays, for locks
- ◆ Supports up-to 128 access doors
- ◆ 100 card CACHE, per door
- ◆ Anti-passback, pin & card, dual custody
- ◆ Many reader technologies supported
- ◆ Supports (GEN-046) 2-input module
- ◆ RS232, Computer interface

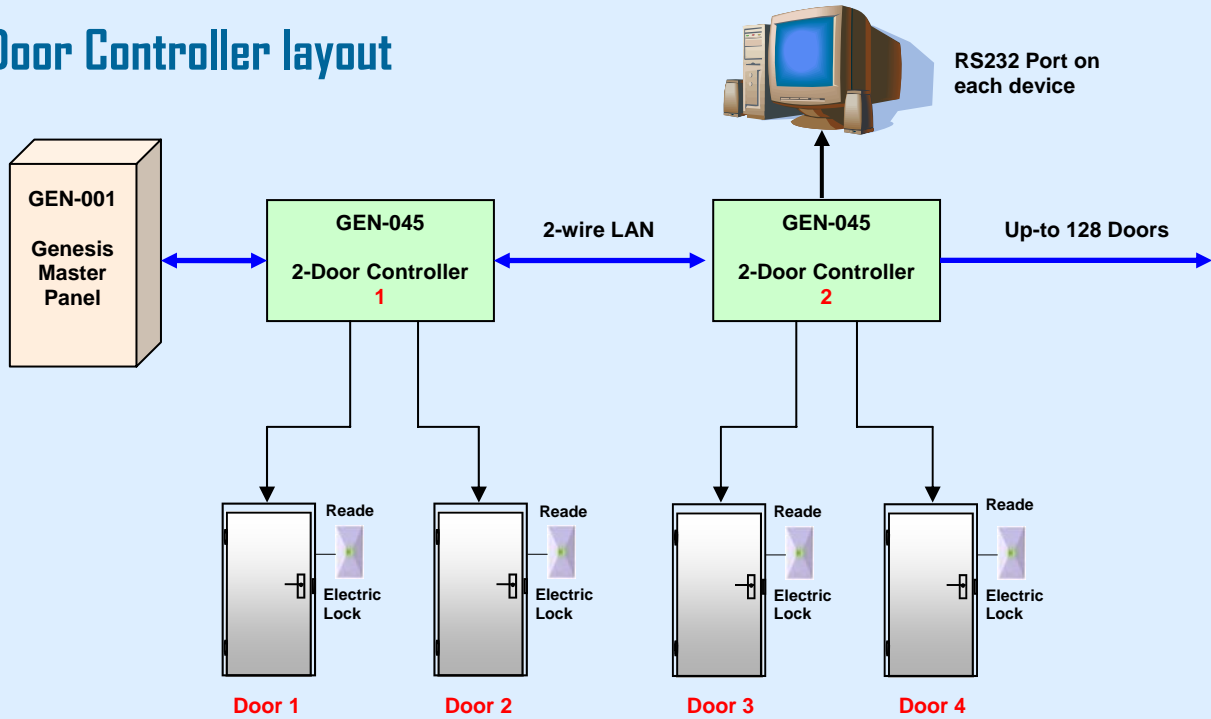
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GEN-046



2-Door Controller layout



Up to 127 TDC'S are supported on the Genesis RS485 High-Speed LAN network

2-Door Controller

Specifications

Processor	16 bit Mitsubishi
Memory	256k ROM + 20k RAM
Size	140 x 80 x 50
Shipping weight	0.2 kg (200mg)
Shipping dimensions	180 x 120 x 50 mm
Door Controllers	2 x Wigand Readers
Environmental	-15 to + 50 C, 10 to 90% RH non-condensing
Power	
Input voltage	11-16v DC
Stand by	35mA
Inputs	
Egress	2 x Normally Open inputs
Door Monitoring	2 x Monitored inputs
Input Expander	
Plug on PCB	2 x Programmable inputs,
Outputs	
Onboard	2 x Change over relay contacts
Open collector	4 x Open collector outputs
Communications	
Access Control Doors	Up-to 128 per panel
LAN Communication	RS485, RJ45 connector plug

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