

THE DAWN OF THE TWENTY FIRST CENTURY
AND AT THE PINNACLE OF SECURITY TECHNOLOGY

introducing...

GENESIS



enter

STATE OF THE ART ACCESS-SECURITY MANAGEMENT SYSTEM

ACCESS GRANTED

GENESIS

Today's competitive business environment demands uncompromising levels of security efficiency and sophistication. Limiting access, building management and high security solutions are of paramount importance when considering the options to safeguard your business. A safe and secure working environment means higher productivity and reduced losses, which of course means higher profits. A totally integrated building and energy management system also decreases running costs.

Genesis is the complete solution that provides everything you could expect from a high technology security and building management system while keeping foremost the simplicity of operation. Genesis can grow with your needs; the modular and expandable design allows your security management solution to expand with your business. Flexibility and versatility means Genesis can meet the most demanding requirements with minimal associated costs while still keeping it simple to use. Future building management requirements are easily met by the unprecedented innovations incorporated within Genesis.

Power and performance. With 16 bit processors on every device the Genesis is the most powerful system available today. This distributed processing ability results in unparalleled speed and reliability. In the event of a LAN failure some system devices can operate independently ensuring the integrity of the system until full communications are restored.

Wholly **Australian designed, owned and manufactured** ensures that the Genesis is fully supported in Australia by the expert team who created it.



Genesis Master Panel

Up to 512 inputs, Up to 512 outputs, 64 Areas / Partitions, 64 Timers, 64 Holidays, 2800 card users, 250 PIN numbers, PC Interface on board, 16 bit processors and RS485 LAN protocol.

GENESIS

ONLINE 15:52:33
*** GENESIS ***

Unique SCRIPT Programming

There is no other system that allows the technician to write their own unique programming commands to customise the system to suit your requirements. Genesis SCRIPT Programming creates the most flexible system available today. Devise a scenario that you would like your system to perform and SCRIPTS can be written to suit. Over 300 individual SCRIPT commands can be added to the Genesis in order to meet the most challenging requirements.

Modular

Up to 128 devices to be connected to the Genesis RS485 LAN network. A combination of Security Inputs, Control Outputs, Building Management Controllers and Access Control modules can be utilised to meet your requirements.

Security System

Total alarm flexibility is offered by Genesis. The inbuilt communicator can report a total of 64 separate alarm areas and 512 alarm inputs. Status of the system and system maintenance reports are transmitted to Central Monitoring Station to ensure that the integrity of the system is maintained at all times. The Genesis caters for dual path monitoring; GSM back up systems, Securitel and in the near future Internet, WAP and GPRS formats.

Access Control

From 1 to 192 Access points can be controlled by the Genesis system utilising the semi intelligent door control modules or the inbuilt Access Control interface resident in every Remote Access Station. Proximity, swipe, retina scan or finger scan readers with either 26 bit weigand or Genesis encrypted 36 bit format are compatible with Genesis. Door controllers have onboard CACHE, which logs the last 100 unique valid users to pass through the door, allowing continued door operation in the event of a LAN failure.

Building Management

The flexibility provided by the unique SCRIPT programming of the Genesis system means that your building can be completely automated.

- Lift control
- Lighting
- Air conditioning
- Energy Management

These can all be configured to be controlled by Sensors or Automatic Timers and activated by Access Cards or device inputs.

Technology

Manufactured using SMD technology Genesis takes advantage of the latest high speed communication protocols making the system more efficient in its operation.

Programming can be performed from anywhere in the world using the Genesis up/download technician software at speeds of up to 9600 baud.



GENESIS EXPANSION MODULES



Remote Access Station (RAS)

Control 64 areas. Inbuilt Weigand interface for single door access control, 100 unique card memory on LAN fail, LCD screen and four programmable LED's. Simple to use. Up to 96 RAS.



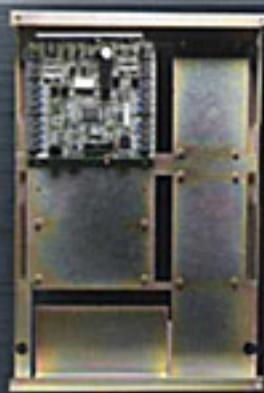
Access Control

Up to 192 access doors using 2 door controllers and RAS.



Output Control

A Total of 16 Output boards using the 32 fully programmable open collector output boards and the optional 8 way relay boards for full system control.



16 Input Expander

15 expanders can be added to the system contributing to the total of 512 inputs.



Input / Output Expander

16 inputs and 4 outputs. Connects directly on to a Master or Expander and is not counted as one of the 128 LAN devices.



Genesis Software

The Windows based programming and maintenance software Package includes the additional feature of on site complete Access Control Logging, review of events and complete maintenance of the card and PIN number users.

GENESIS

STANDARD SYSTEM SPECIFICATIONS

Masters	1
Expanders	15
Remote Access Station (RAS)	96
Two door controllers	48
Thirty-two output modules	16
Total inputs	512 monitored inputs 128 tamper inputs 1 per device connected on the LAN
Total outputs	512 open collector outputs (16 x 32 output modules) 64 12v switchable outputs (16 x 4) 64 relay outputs (16 x 4) using I/O expander on master or 16z expander 128 buzzer outputs 384 RAS LED outputs 160 TDC outputs (40 x 4 TDC open collector outputs) 192 Open collector outputs (RAS & TDC) on 48 2 door controllers
Total doors	192

COMMUNICATIONS

Between Devices	RS-485 LAN 1.5km total bus length using Belden cable, Max. 128 devices
To PC	RS-232 to PC or Modem (30m maximum), or on-board modem

DATABASE

Users	99 PIN Only 151 user ID + PIN
Cards	2800 card database, 16 characters
Site Codes	2800 each including individual site code
Alarm Areas	64
Area Lists	256
Timers	64
Timer Lists	128
Description Length	Typical 16, some 32 characters
History Buffer	3000 events

genesis
...The very latest innovation in security and access



ALL AUSTRALIAN MADE

Made by ISO 9002 accredited manufacturer

Genesis Electronics Australia Pty Ltd.

Ph: 61 3 9763 4359 Fax: 61 3 9763 4098

www.genisiselectronics.com.au