



4R-ACP **4-Reader Access Control Panel**

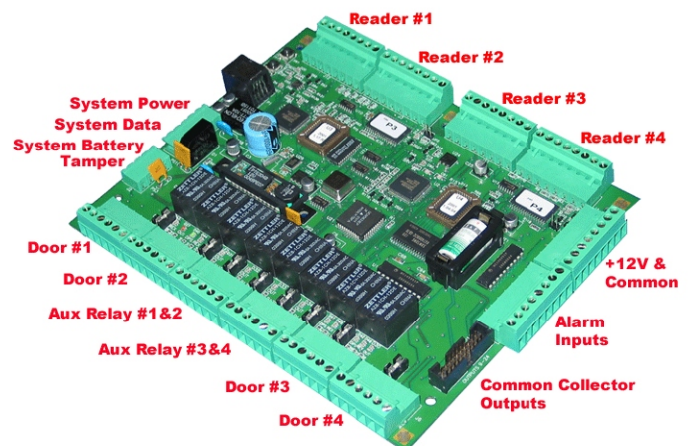
The 4R-ACP is a breakthrough in Security Management control technology. 4-door reader control for Proximity, Mag-stripe, Biometric, RFID or any Wiegand protocol device. Unlike conventional reader panels, the 4R-ACP provides *True Peer-to-Peer, Global* communications *without* requiring Host Intervention. Each 4R-ACP panel will operate as a system node or as a stand-alone unit accepting over 50,000 cardholders per panel.

Standard Features:

- ⊙ 4-Reader connections (Wiegand) with 5 or 12vdc supply
- ⊙ 4-Door positions switch Inputs (Standard, Supervised or Analog)
- ⊙ 4-Request-to-Exit device Inputs (Standard, Supervised or Analog)
- ⊙ 4-Lock output relays (Fused with 5A contacts)
- ⊙ 4-Auxiliary, fully programmable output relays (Fused with 5A contacts)
- ⊙ 8-Auxiliary, fully programmable Inputs (Standard, Supervised or Analog)
- ⊙ 16-Open collector, fully programmable outputs (120 ma each)
- ⊙ 4-Auxiliary, 12VDC outputs
- ⊙ LonTalk™ communications
- ⊙ Flexible Programmable-Logic-Controller (PLC) technology
- ⊙ Neuron chip 3150 technology
- ⊙ Free network topology
- ⊙ Realtime, Onboard Clock

4R-ACP Benefits

- Open Architecture
- Flexible Programming
- Compatible with all standard readers
- Peer-to-Peer Communications
- Free Topology Networking
- Self-healing network capabilities
- Over 50,000 cardholders per panel
- PLC technology
- LonTalk™ compatible
- Building Automation capable

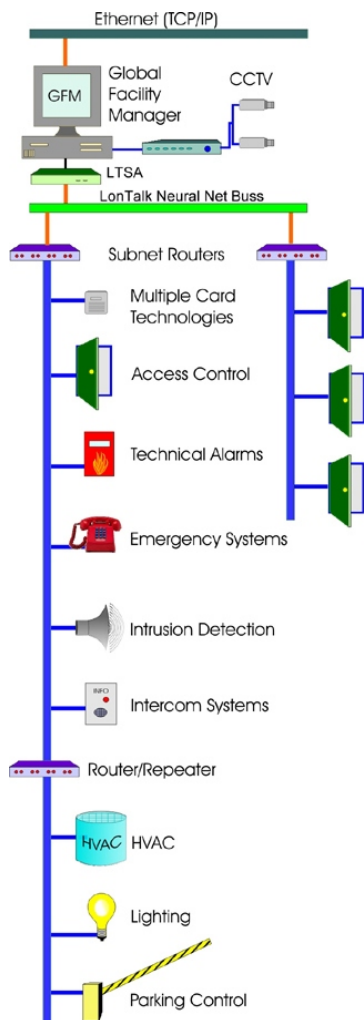




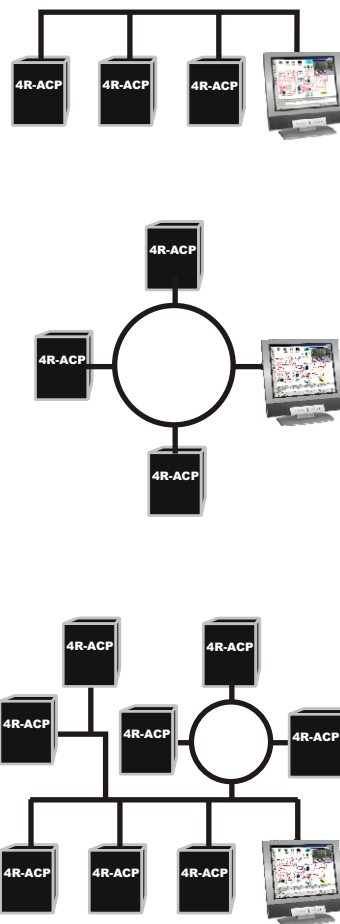
4R-ACP 4-Reader Access Control Panel

The 4R-ACP series of control panels offer an unprecedented level of control and usability. From single board systems to enterprise level management ensembles controlling hundreds of thousands of doors with more than a million cardholders, Neural International has a system to fit your needs. System monitoring and control are accessed through graphically controlled "Global Facility Manager" or "Global Facility Manager Elite" software, virtually eliminating user training.

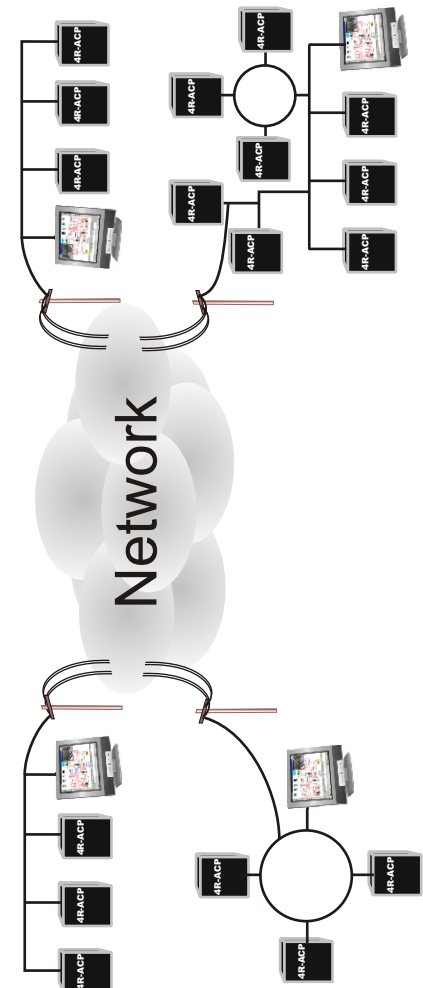
Total System Management



Free Topology



Enterprise Networking





4R-ACP 4-Reader Access Control Panel

Manufacturer	Neural	Neural
<u>Product</u>		
Software	GFM	GFM Elite
Controller	4R-ACP*	4R-ACP*
<u>General</u>		
Server Operating System	NT / 2000 / XP	NT / 2000 / XP
Client Operating System	NT / 2000 / XP	NT / 2000 / XP
Redundant Server/Host	Any and all workstations	Any and all workstations
Web Browser Interface	NO	YES
Central Monitoring & Alarm Management	YES	YES
Central Database Management	Access / ODBC	SQL / ODBC
<u>System Capacity</u>		
Maximum Client Workstations Definable	16	Virtually Unlimited
Maximum Host Consoles Definable	1	16
Maximum Cardholders	50, 747	over 1 million
Maximum Cardholders Per Panel	50, 747	50, 748
Maximum Access Levels	See Notes Page 3	See Notes Page 3
Maximum Access Levels Per Card	See Notes Page 3	See Notes Page 3
Maximum Readers	128,524	8,225,536
Maximum Supervised Inputs	1,024,000	16,384,000
Maximum Outputs	512,000	8,192,000
Maximum Holidays	32	512
<u>Access Control Specifications</u>		
Intelligent Card Readers	NO	YES
Vehicle Management Module	NO	YES
Visitor Management	YES	YES
Guard Tour	YES	YES
Anti-pass Back Protection	PER PANEL	YES
Intrusion Zones	YES	YES
Occupancy Restriction	YES	YES
Elevator Control	YES	YES
Two Person Rule Access Control	YES	YES
Intercom System Interface	YES	YES
Asset Management 3rd Party Support	YES	YES
CCTV Interface	YES	YES
Digital Video Integration	YES	YES
Fire/Burglar Alarm System Integration	YES	YES
Building Lighting/HVAC Control Interface	YES	YES
Interface to Alarm Panels via ASCII text	YES	YES
Portable Readers	YES	YES
Rolling Transaction Display	YES	YES



4R-ACP 4-Reader Access Control Panel

Manufacturer	Neural	Neural
Cardholder Database		
Relational Database	Access	SQL 2000
Database Import/Export Using ODBC	YES	YES
Database Partitioning	NO	BY PROJECT
Search on any Field	NO	YES
Automatic Download to Controllers on Changes	YES	YES
User Definable Fields	YES	YES
Automatic Card Activation/Deactivation	YES	YES
Support of Multiple Badges per Person	YES	YES
Support for Badge Status (Lost, etc)	YES	YES
Bulk Card Addition/Deletion by Card No.'s	NO	YES
Disability Designation for Extended Shunt	YES	YES
Extended Shunt by Cardholder & Door	YES	YES
Audit Trail	NO	YES
Controller Administration / Features		
Networking Protocols	LONTALK / TCPIP	LONTALK / TCPIP
Dial-up Remote Access / Diagnostics	YES	YES
Web-browser Remote Access / Diagnostics	NO	YES
Embedded Processor	YES	YES
Scalable Memory	FIXED	FIXED
Maximum Cardholders per Controllers (estimates)	50,747	50,747
Operating System	LONWORKS	LONWORKS
Flash Memory	YES	YES
Maximum Readers per Controller	4	4
PCMCIA Expansion Slot	NO	NO
Onboard Ethernet	NO	NO
Dual Path Redundant Communications	NO	NO
Encryption	NO	YES
Peer-to-Peer Communications	YES	YES
Advanced Clustering Capabilities	NO	YES
Maximum Cardholder Clearances	255	255
Distributed Networked Logic	YES (51 commands)	YES (51 commands)
Treat Level Control	YES (16 levels)	YES (16 levels)
Text-To-Speech	All Points & Events	All Points & Events
Scripted Outputs	All Points & Events	All Points & Events
Wave File Support	All Points & Events	All Points & Events
Touchscreen Programable	YES	YES
Network Mapping	NO	YES



4R-ACP 4-Reader Access Control Panel

Manufacturer	Neural	Neural
Reporting		
History	YES	YES
Tracking & Mustering Reports	NO	YES
Time and Attendance Reports	NO	YES
Report Template Creation	NO	YES
Forward Reports Over Email	NO	YES
Run History Report from Archived Data	YES	YES
HTML Report Format	NO	YES
Alarm Management		
Alarm Instruction to the Operator	YES	YES
Dynamic Alarm Monitoring/Control from Maps	YES	YES
Audible Alarm	YES	YES
E-mail	NO	YES
Paging	YES	YES
Event for Unacknowledged Alarm	NO	YES
Alarm Routing	YES	YES
Badge Imaging System		
Electronic Camera Pan, Tilt, and Zoom	YES	YES
Batch Mode Printing	NO	YES
Allows Printing of User Defined Fields	YES	YES
Monitor Alarms During Badge Design	NO	YES
Monitor Alarms During Image Capture & Print	YES	YES
Image Importing	YES	YES
Signature Capture	YES	YES
Finger Print Capture	Wiegand Interface	Wiegand Interface
Other		
Import/Export Maps	YES	YES
Foreign Language Support	Limited	YES
Biometrics 3rd Party Support	YES	YES
Iris Scan Support	Wiegand Interface	Wiegand Interface
Smart Card 3rd Party Integration	DUAL TECH	DUAL TECH
Remote Diagnostic Capability	YES	YES
UL Listings	APPLIED FOR	APPLIED FOR
CE Certification	YES	YES
Swipe to Log On or Swipe to Query	YES LOG ON	YES LOG ON
Custom Messages on Readers	YES	YES
Airport Modules		
Passenger Reconciliation	NO	Available 2004
Check In Desk Enable	NO	Available 2004
Passenger Segregation	NO	Available 2004
Car Occupancy	NO	Available 2004
Airbridge Monitoring System	NO	Available 2004



4R-ACP **4-Reader Access Control Panel**

4R-ACP 4-Reader Control Panel
Back box Space Requirements

