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PRO-ACC

Enterprise Access Control System

PRO-ACC SE

Mid Level Access Control system

EZ-ACC

Entry Access Control System

Rev 1.4: April 11th, 2011

INTRODUCTION

Hartmann Controls Corp. is a privately owned manufacturer of access control systems. Our company has been in operation since 1998. Our products are currently sold in Canada, USA, Mexico, Central and South America, Australia and India. Hartmann Controls Corp. has become a well established company with thousands of sites using our products and we are constantly looking at ways to bring high quality; feature rich and profitable access control to our business partners.

Our high quality card access control products serve extremely well in the commercial, institutional, health care as well as property management sectors.

The EZ-ACC Card Access System has been designed specifically for the smaller organization where lower cost and ease of use are the highest priority.

The PRO-ACC SE and PRO-ACC Enterprise system is tuned for mid to large sized projects including multi building applications via TCP/IP. Whether you are controlling 1 door or thousands of doors around the world, you will be pleased with the simplicity of installation and reliability of our systems.

The Protector II Card Access System which has been the backbone of Hartmann Controls Corp for more than 10 years has evolved and been enhanced, resulting in the latest generation of PRO-ACC applications. Hartmann Controls Corp has also developed several products for other manufacturing and integration companies under OEM licensing agreements.

Our PRO-ACC Controllers are ETL Listed. Conforming to UL STD.294 and Certified to CSA-C22.2 NO. 205

Hartmann Controls Corp. produces the most intuitive software and hardware on the market to date. Customers are consistently complimenting us on the performance, reliability and ease of administering our systems.

At Work !!

Hartmann Controls Corp through its successful business partners have installed systems including (but not limited to)

TOP 2 SITES:

#1. Toronto District School Board, Canada. (Installed 07) Currently controlling in excess of 140 remote buildings over a TCP/IP network. The system is configured with one PRO-ACC server and several client workstations throughout the school board. The system is being used by 1000's of cardholders with changes being made daily.

#2. Casino Niagara, Canada. (Installed 06/07) Custom system design supporting 5 million cardholders. This system is producing 1000's of transactions per day and currently has over 3.5 million cardholders enrolled.

OTHER SITES

NASA, USA	Owen Sound Armories, Canada	First Century Bank, USA (12 Networked locations to date)
Alliance Hospital, USA (44 Readers)	Waynesboro Health Center, USA (40+ Readers)	Simplot, Canada (60 + Readers)
Pharmasave, Canada	Canada Customs, Canada	Numerous HRDC (Human Resource Development Canada) sites, Canada
Huron Loge For Seniors, Canada (40+ Readers)	Robert Cook Co-operative Homes, Canada	M&T Bank, USA
Barrie Hydro, Canada (30+ Readers)	Neilson Dairy, Canada	Cross Valley Federal Credit Union , USA
York Condominium Corp, Canada	Oak Leaf, Canada	Global, Canada
Ontario Court of Justice, Canada (20+ Readers)	Government of Canada, Canada	Arby's, USA
Ronald MacDonald House of Charities, USA	Financial Communication Solutions, USA	The Ashley Madison Agency, Canada
Spruce Dale Care Center, Canada (22+ Readers)	Banff Mineral Springs Hospital, Canada	Bartlett Hospital, AK
AGS Automotive Systems, Canada	American Pharmaceutical Partners Inc, Canada	The 101 Mall, Canada
Ikea, Canada	Sunrise Village, Canada	Greenfield Lodge, Canada
Tembec Industries Inc, Canada	Cochrane Temiskaming Resource Centre, Canada	Skyline Executive Suites
Peel Condominium Corp, Canada		And many more locations.....



Hartmann Controls Corp Terms and Conditions of Sale

General Terms

Hartmann Controls Corp reserves the right to change any and all prices, effective 14 days after delivery of the price change notice. Effective date of change may be delayed or modified at Hartmann Controls Corp Discretion.

All prices are F.O.B Hartmann Controls Corp. facility, Barrie, Ontario Canada. Hartmann Controls Corp will not be liable for lost or damaged goods while in transit.

All purchase orders should be sent directly to Hartmann Controls Corp via facsimile 705-792-5632. Hartmann Controls Corp will not be responsible for orders that are shipped incorrectly due to incorrect purchase orders. Please review the purchase order for accuracy prior to sending.

Payment Terms

Hartmann Controls Corp terms of sale are (prepayment with order) unless prior credit arrangements are established. If credit arrangements are established, the standard terms of sale are NET 30 DAYS. If the customer finds an invoice to be in error, the customer should notify Hartmann Controls Corp within 5 days of receipt.

No shipments will be made to any customer who is past due on its account. Any account that is past due more than 90 days, will automatically be sent to a commercial credit and collection agency.

Purchase Orders

All purchases will be sent via UPS's Three-Day Select, unless buyer chooses to ship via their carrier direct to their account.

Order Confirmations

Order confirmations will be sent to the customer via fax within 24 hours of receipt of purchase order. Please contact Hartmann Controls Corp immediately if you do not receive an order confirmation, as it may mean that there is a discrepancy with the order itself or that we did not receive the purchase order.

Drop-Ship Orders

Hartmann Controls Corp does not do third party shipping. All merchandise purchased must be shipped directly to the buyer

Special Orders

Special orders are defined as: ordering of any product and that is not listed in the Hartmann Controls Corp price list; or as specifically indicated. Special orders can not be cancelled. Hartmann Controls Corp may request a deposit or full payment before accepting any special orders. Please refer to the price schedule for a list of specialty items.

Merchandise Return Policy

No merchandise may be returned to Hartmann Controls Corp without prior authorization. Unauthorized returns will be refused and returned to the sender at the sender's expense. To return merchandise, please contact Hartmann Controls Corp and request a "Return Merchandise Authorization" number (RMA). Hartmann Controls Corp will assess the condition of the returned merchandise and, if defective, items(s) will be repaired or replaced and shipped back. If items (s) are not defective; the merchandise will be sent back, applicable return freight charges apply.

Minimum Order Purchase Policy

Hartmann Controls Corp does have a minimum package quantity (MPQ) for specialty items such as cards, key fobs and photo-badging supplies. Please refer to the price schedule for a complete list of specialty items.

Back Orders and Partial Shipments

The turnaround time for orders is dependent upon availability of stock. The turn around time for back ordered items will vary. Hartmann Controls Corp will notify the purchaser of the estimated ship date of any back-orders. Once the purchaser has been notified, partial shipments can be arranged if authorized in writing by the purchaser.

Credit Card Purchases

Hartmann Controls Corp does accept payment for orders by credit. Hartmann Controls Corp accepts VISA or MasterCard. Orders being paid by credit card will only be accepted at the time of order.

Seller's Right of Possession

Hartmann Controls Corp has the right at any time for reasons such as credit or because of buyer's default, to withhold shipments in whole or in part. Hartmann Controls Corp always has the right to recall merchandise in transit, and repossess all goods which may be stored, without the necessity of taking any action. Buyer's consent that all merchandise so recalled, retaken or repossessed will become the sole property of Hartmann Controls Corp

Product Installation and Operation

Hartmann Controls Corp assumes no responsibility for the improper selection, installation, operation, maintenance and adherence to any and all federal state/provincial and municipal building and fire codes of the merchandise purchased from Hartmann Controls. Hartmann Controls Corp WILL NOT BE HELD RESPONSIBLE FOR ANY CONSEQUENTIAL, CONTINGENT, SPECIAL OR INCIDENTAL DAMAGES whatsoever, with the exception of the LIMITED WARRANTY.

Warranty

Hartmann Controls Access Control System: 1-Year Full Warranty

Hartmann Controls warrants all Controllers manufactured by Hartmann and are free from defects in material and workmanship. However this warranty **does not** cover Non-manufactured peripheral products sold by Hartmann. Peripheral products are covered by a 30 day manufacturer's warranty.

The warranty period for the Hartmann Controllers is 1 years from date of purchase. Hartmann Controls Corp will repair or replace defective equipment upon return to its facility if they find that the warranty was breached in any way, Hartmann Controls Corp will not warrant any damage that occurred during shipping or handling, or damage caused by a repair or an attempt to repair by any person other than those authorized by Hartmann Controls. This warranty covers normal industrial use and does not cover defects or damage to any product which, in the sole opinion of Hartmann Controls Corp has been subject to improper installation, unauthorized modification, misuse, neglect, abuse, or abnormal operating conditions, improper storage, or which has been attributable to acts of God such as lightning. Installation, which is not in accordance with the installation instructions, published by Hartmann Controls, will void the warranty. This warranty does not cover defects or damage caused by a product, which is not approved by Hartmann Controls Corp and is connected to its system

The said warranty only applies to the original purchaser and is and shall be in lieu of any and all other warranties.

*** Please note this does not include shipping, which will be supplied by the customer.*

Claim Procedure

In order to obtain warranty performance, the purchaser must contact Hartmann Controls Corp to obtain an RMA number. Unauthorized returns will be refused and returned to the sender at the sender's expense. Do not ship any defective product back before receiving an RMA number. Upon receiving goods, Hartmann Controls Corp will assess the condition of the returned defective merchandise and, if found to be defective, will be repaired/replaced and shipped back. If the merchandise is found to be non-defective, the merchandise will be sent back applicable return freight charges.

Note: If a replacement product is required for the functionality of the system, Hartmann Controls Corp will overnight the replacement item at the purchasers expense and the purchaser will be invoiced for items being replaced. Once the defective merchandise is received and if found to be defective and if within the limits of warranty Hartmann Controls Corp will credit the replacement item invoice. If the product is found to be non-defective, Hartmann Controls will ship the merchandise back at the expense of the purchaser.

INFORMATION REQUIRED FOR RMA

- Product Type
- Serial Number on panel
- Chip ID (If Applicable)
- Problem Reported

Note: The proof of date of purchase may be required before warranty service is rendered.



PRO-ACC ACCESS CONTROL SYSTEMS

The PRO-ACC Enterprise and PRO-ACC SE Access Control Systems are full-featured Access Systems for the mid to large sized installations.

ALL PRO-ACC SE and PRO-ACC Enterprise Software includes the following (unless noted):

SOFTWARE FEATURE	BRIEF DESCRIPTION
Overall Specs	<p>Up to 100 Building control via TCP/IP Connectivity 4,000 Doors 4,000 Elevators 10,240 Input Points 10,240 Output Points 65,000 Cardholders 255 Access Privilege groups 200 Time zones 30 Holidays Each panel stores 2,000 events on board. System is fully distributed meaning panels run completely stand alone with the exception of Global Anti Pass Back and Global Linking which require the Server Software to be functioning.</p>
Global Linking (PRO-ACC Ent. ONLY)	<p>Have events on one panel fire reactions on alternate panels. For example a cardholder presents his card at one reader and that in turn causes several readers in other sections of the building to lock down.</p>
Active Graphical Maps	<p>Add JPG or BMP map drawings and use graphic symbols to indicate device status as well as allow override control via mouse click.</p>
Multi-Site	<p>Control up to 100 remote buildings all over TCP/IP or Dialup seamlessly via one PRO-ACC Server. Add cards to multiple buildings and doors instantly by assigning them to predefined access privilege groups.</p>
Integrated Backup Utility	<p>Backup Utility which allows full backup to selected destination as well as purging old events from database.</p>
Automatic Backup Utility (PRO-ACC Ent. ONLY)	<p>Select when and where to automatically back up complete database including all events, cardholder configuration and hardware configuration.</p>
Multiple Clients (10 on PRO-ACC Ent.) (3 on PRO-ACC SE)	<p>Simultaneously have full control over your system from more than one PC. Each user can be granted access to only relevant screens, ie guard has access to overrides and event logs only.</p>

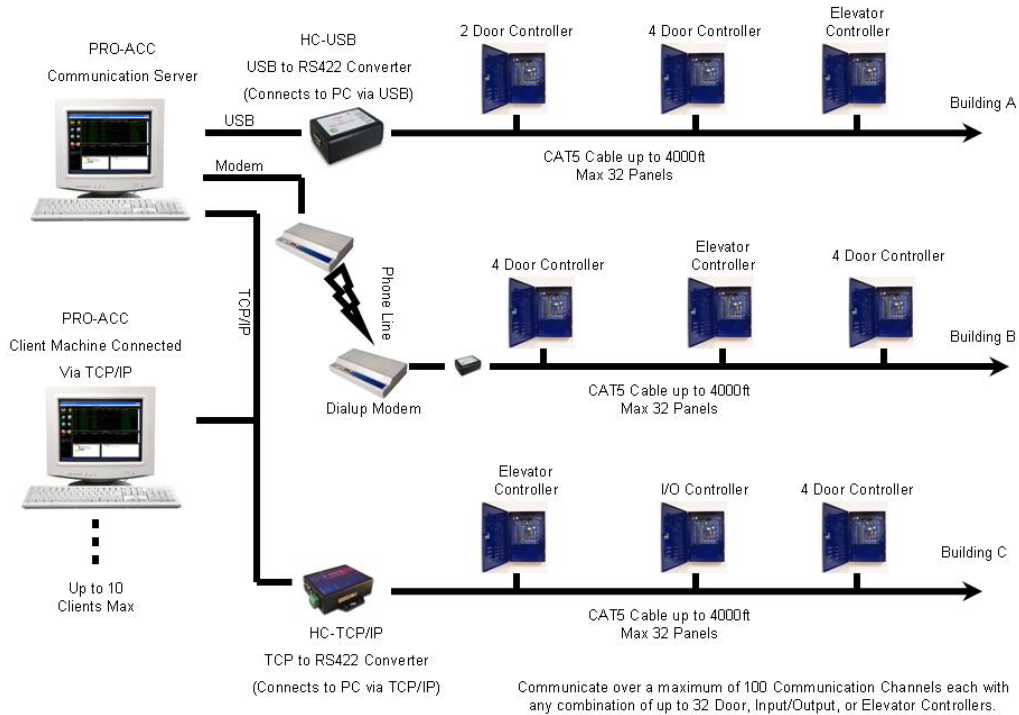
Master Command Center	A uniquely designed main screen providing graphical snapshot of system status in real time. See what panels are in alarm state on graphic tree as well as full summary screen letting user know if any portion of the system is not under normal conditions.
Graphic Device Status Tree	A tree displaying real time Door and Input Point status. Shows if device is in overridden mode, alarm mode, normal mode or offline (i.e. not communicating)
Photo Badging (PRO-ACC Ent. Only)	Simple badging software allows creation of template using external images to print cardholder image as well as text to photo quality cards.
Anti-Pass Back (Global Anti-Pass Back only in PRO-ACC Ent.)	Timed Anti-Pass Back and Global Anti-Pass Back. Used to ensure a user who has entered an area can not enter again without exiting an area first; this prevents users from sharing their cards. With timed anti-pass back you can also set a period of time that a card cannot be used twice on a single reader; excellent for parking gates etc.
Time and Attendance Calculator	A simple time and attendance option that can report total time a user has been in an area specified by various readers.
Muster Reporting	Report which card holders are still in a defined area in case of emergency.
Multiple Languages	English, French and Spanish
Unlimited Site Codes	Each card holder can have their own site code.
Retrievable Site Codes	Used in takeovers where site codes is not available cards can be programmed to ignore site code and once card has been presented actually site code is recorded and can be imported to database with push of a button.
High Security PIN/Prox Combination	Using our graphical time zones, set times when only a card is required to grant access or both a valid PIN and card. This is an excellent feature for High security doors such as Engineering or IT room.
Alarm interface	Using our unique 3 swipe interface you can set special cards that if presented 3 times at a reader will pulse an Aux relay that can be connected to an alarm panel key switch input to arm an alarm, A status output from the alarm can be tied to the Door controller to indicate the arming of the Alarm system. The door controller with then lock down doors and flash the reader LED to indicate that the alarm panel is armed. Only alarm enabled cards will then be allowed through the door.
Remote Site Manager	A use full screen for managing all dialup sites.

Serial/ CCTV Control (PRO-ACC Ent. Only)	Program various doors to send out a programmable ASCII string output to a serial port for use by another device such as paging system etc.
DVR Integration (PRO-ACC Ent. Only)	Open Eye, Bosch, Toshiba, Samsung, Honeywell, PC Open – Communicate over TCP/IP to various DVR's allowing you to stream live video into the access software, also program various triggers so that should an alarm happen at a entry point, video for that camera is automatically streamed to the screen.
Multiple Reader Technologies	Supports proximity, biometrics, wiegand, mag strips and bar code reader technology
Card Holder Import Utility	If at initial setup, a spread sheet of cardholders is available, very easily import those users by setting up a template for importing.
Customizable Cardholder Fields	Define what you want to record for each cardholder (up to 16 distinct fields).
USB COM Port Test Utility	Use this utility to confirm if your USB converter is communicating correctly.
Card Tracking	Enable real time tracking of cardholders via unique transaction color on live event screen, or audible beeps each time the user uses its cards.
Block Loading Cards	Load groups or ranges of cards with a single press of a button (applies same access privilege to range).
Automatic door opener activation	Define certain cardholders to both unlock a door and also activate door openers via an auxiliary relay.
Differentiates between card presentation and actual entry	Differentiate between someone just presenting a card at a reader and someone presenting a card and then opening a door. (many systems are missing this very important feature).
Manual Override	Override - Panels, Doors, Auxiliary Relays, Inputs/Outputs, Elevators. Easy screens for overriding all control devices on the system.
User Activity Log	All user software changes, additions or deletions are logged so you know who did what on the system.
Photo Verification	Program doors to pop up cardholder image on clients whenever a card is presented at selected readers, excellent for verification of users using the correct cards.
Alarm Popup	Enable audible and visible alarm pop up to make sure alarms are not missed on workstations.

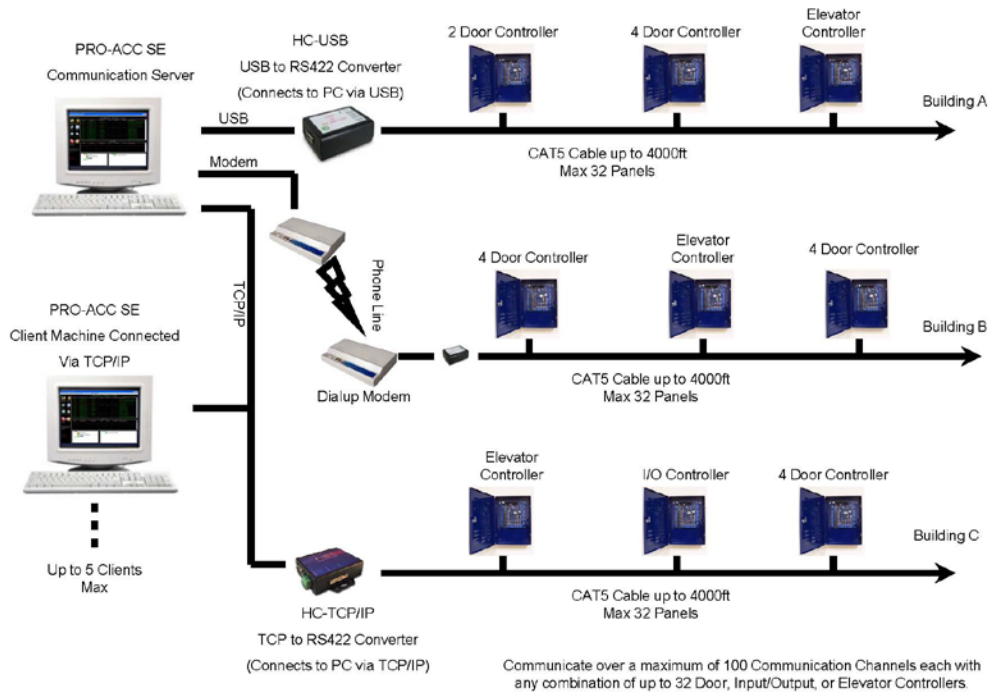
First Person In Enabling	Program doors only to follow their public schedule after a valid card has been presented so that in case of a snow day doors do not go public before someone is in the building.
Unlimited System Users	Program as many users with unique logons for system administration or control.
Connectivity	All field panels can communicate back to PRO-ACC server via TCP/IP, Dialup or Cat5 to USB.
Man Trap	When 2 access points are used to one area enable the mantrap feature to only allow access to either door while the opposing door is in the closed state.
Alarm Emailing	Program up to 3 recipients that will be sent any alarms the system receives.
Online Help	By pressing F1 on any screen you will bring up the detailed online help system explaining all options relating to that screen.
Import Utility	A very powerful import utility that allows you to browse to a CSV file (excel) and program what fields are first name, last name etc for easy importing to PRO-ACC software. This may be saved as a template for reuse later, excellent for interfacing to an HR system etc.

Note: *PRO-ACC ENTERPRISE* is only available to licensed dealers. To find out if you are eligible to be licensed for PRO-ACC Enterprise, please contact your Hartmann Controls sales representative.

PRO-ACC ENTERPRISE Topology



PRO-ACC SE Topology





EZ-ACC ACCESS CONTROL SYSTEM

The EZ-ACC Access Control System is a full access system for the smaller budget minded site. All basic access control functions are present as well as full audit reports. For feature list please see brochure.

USB & TCP/IP Connectivity – Connect to your field panels via USB to Cat5 cable (4,000 ft max) or via TCP/IP servers.

Fully Distributed Processing – Each panel runs full independent of server software once programmed.

Control up to 1,000 users, 16 doors.

200 Time zones – used for door schedules and access privilege schedules.

255 Access privileges – used for allowing users through various doors at selected times.

30 Holidays – used to force doors and access privileges to alternate schedules during holiday periods.

First Person In – Program doors only to follow their public schedule after a valid card has been presented so that in case of a snow day doors do not go public before someone is in the building.

Override - Panels, Doors. Easy screens for overriding all doors to locked, unlocked to resuming schedule.

PRO-ACC SE / PRO-ACC Enterprise HC-DCSE2 / HC-PRO2 2-Door Access Control Unit




KEY Features

- Supports 65,000 users
- Unlimited Site Codes
- 100 Access Panels per port, 40 ports per system
- Virtually thousands of doors.
- 255 access privileges
- 200 time zones
- 30 Holidays
- Timed Anti-pass back with individual or back to back
- Global Anti-Pass Back (Enterprise only).
- Extremely simple installation and configuration.
- Fully distributed system (field panels contain all information to operate on their own with no connection to PC)
- All Headers quick disconnect for easy replacement.
- All inputs, outputs and power have led indicator for easy visual diagnostics.
- Multi-Site Dial Up via Modem
- Direct Connect to PC via Serial or USB port, HC422 and Cat 5 Cable.
- 4,000' (1230m) Bus Runs via Cat 5 Cable Daisy Chain Configuration supporting max of 32 or 100 panels (32 using IP, 100 using direct connect).
- Multiple TCP/IP communication channels via TCP/IP Server Device.
- Supports several manufacturers Wiegand format for easy takeover. Supports multiple formats at same time.
- Supports Proximity, Bar code, Swipe, Biometric, Keypad -Prox combo and more.
- Single board design taking less real-estate and making installing and troubleshooting a snap.
- Very Robust Design with all relay outputs utilizing Form C 10Amp 125VAC (Max 6Amp Load) Form C contacts

PRO-ACC SE / PRO-ACC Enterprise HCDCSE2 / HC-PRO2

Specifications

Power Input	VAC 40VA Transformer Certified Class2 CSA/UL Transformer	
Battery Input	1 Battery 12V, 7AH Provides up to 14 hours of standby operation	
Aux Power	12V DC@200mA max (used for Motions, Pezos, etc.) NOTE: DO NOT USE TO POWER LOCKS, USE SEPARATE POWER SUPPLY FOR ALL LOCKING DEVICES.	
Reader Power	5VDC or 12VDC via Jumper @ 250mA max per port	
Lock Relays	2 Lock Relays @ 6 Amp max load each	
Aux Relays	2 Auxiliary Relays @ 6 Amp max load each	
Inputs	5 Dry Contact Inputs N/O for Exit Buttons and Monitor Points, NC for Door Contact.	
Communications	On Board RS422 @ 19,200 Baud using Compression algorithm and Data Encryption. (8 Data Bits, No parity, One Stop Bit)	
PCB Dimensions	23.2cm X 20cm (9.125" X 8")	
Enclosure Dimensions	28.60cm (W) X 38.75cm (H) X 7.70cm(D) (11.25" X 15.25" X 3.00")	
LED Indicator	1 AC indicator, 2 DC power Indicators, 4 input & 4 output Indicators, 1 communication indicator	
Operating Temperature	From 0° C to 50° C.	
Operating Humidity	10% to 90% relative humidity non-condensing	
Color	Blue	
Reader Technology	Wiegand, Proximity, Biometric, Bar Code, Magnetic, Integrated Keypad and others	
Reader Wiring	500' (152m) max distance using 3 pair shielded 22GA	Belden 8777 or Equivalent
Communication Wiring	4000' (1230m) 2 pair twisted 22GA	Category 5 Cable or Equivalent
Lock Wiring	1 pair 18 GA	Beldon 9740 or Equivalent
Weight	2.4KG (5.4 Lbs) with enclosure.	
Certification	 ETL Listed Conforms to UL STD 294 Certified to CSA-C22.2 NO. 205	

PRO-ACC SE / PRO-ACC Enterprise HCDCSE4 / HC-PRO4 4-Door Access Control Unit




KEY Features

- Supports 65,000 users
- Unlimited Site Codes
- 100 Access Panels per port, 40 ports per system
- Virtually thousands of doors.
- 255 access privileges
- 200 time zones
- 30 Holidays
- Timed Anti-pass back with individual or back to back
- Global Anti-Pass Back (Enterprise only)
- Extremely simple installation and configuration.
- Fully distributed system (field panels contain all information to operate on their own with no connection to PC)
- All Headers quick disconnect for easy replacement.
- All inputs, outputs and power have led indicator for easy visual diagnostics.
- Multi Site Dial Up via Modem
- Direct Connect to PC via Serial or USB port, HC422/485 and Cat 5 Cable.
- 4000' (1230m) Bus Runs via Cat 5 Cable Daisy Chain Configuration supporting max of 32 or 100 panels (32 using IP, 100 Using direct connect).
- Multiple TCP/IP communication channels via TCP/IP Server Device.
- Supports several manufacturers Wiegand format for easy takeover. Supports multiple formats at same time.
- Supports Proximity, Bar code, Swipe, Biometric, Keypad Prox combo and more.
- Single board design taking less real-estate and making installing and troubleshooting a snap.
- Very Robust Design with all relay outputs utilizing Form C 10Amp 125VAC (Max 6Amp Load) Form C contacts

PRO-ACC SE / PRO-ACC Enterprise HCDCSE4 / HC-PRO4

Specifications

Power Input	VAC 40VA Transformer Certified Class2 CSA/UL Transformer	
Battery Input	1 Battery 12V, 7AH Provides up to 14 hours of standby operation	
Aux Power	12V DC@200mA max (used for Motions, Pezos, etc.) NOTE: DO NOT USE TO POWER LOCKS, USE SEPARATE POWER SUPPLY FOR ALL LOCKING DEVICES.	
Reader Power	5VDC or 12VDC via Jumper @ 250mA max per port	
Lock Relays	4 Lock Relays @ 6 Amp max load each	
Aux Relays	4 Auxiliary Relays @ 6 Amp max load each	
Inputs	9 Dry Contact Inputs N/O for Exit Buttons and Monitor Points, NC for Door Contact.	
Communications	On Board RS422 @ 19,200 Baud using Compression algorithm and Data Encryption. (8 Data Bits, No parity, One Stop Bit)	
PCB Dimensions	23.2cm X 20cm (9.125" X 8")	
Enclosure Dimensions	28.60cm (W) X 38.75cm (H) X 7.70cm(D) (11.25" X 15.25" X 3.00")	
LED Indicator	1 AC indicator, 2 DC power Indicator, 8 input & 8 output Indicators, 1 communication indicator	
Operating Temperature	From 0° C to 50 °C.	
Operating Humidity	10% to 90% relative humidity non-condensing	
Color	Blue	
Reader Technology	Wiegand, Proximity, Biometric, Bar Code, Magnetic, Integrated Keypad and others	
Reader Wiring	152m (500') max distance using 3 pair shielded 22GA	Belden 8777 or Equivalent
Communication Wiring	1230m (4000') 2 pair twisted 22GA	Category 5 Cable or Equivalent
Lock Wiring	1 pair 18 GA	Beldon 9740 or Equivalent
Weight	2.4KG (5.4 Lbs) with enclosure.	
Certification	 ETL Listed Conforms to UL STD 294 Certified to CSA-C22.2 NO. 205	

PRO-ACC SE / PRO-ACC Enterprise HCEC8 / PROEC8 8-Floor Elevator Cab Control Unit




KEY Features

- Supports 65,000 users
- Unlimited Site Codes
- 100 Access Panels per port, 40 ports per system
- Controls up to 64 Floors
- 255 access privileges
- 200 time zones
- 30 Holidays
- Extremely simple installation and configuration.
- Fully distributed system (field panels contain all information to operate on their own with no connection to PC)
- All Headers quick disconnect for easy replacement.
- All inputs, outputs and power have led indicator for easy visual diagnostics.
- Multi Site Dial Up via Modem
- Direct Connect to PC via Serial or USB port, HC422/485 and Cat 5 Cable.
- 4000' (1230m) Bus Runs via Cat 5 Cable Daisy Chain Configuration supporting max of 32 or 100 panels (32 using IP, 100 using direct connect).
- Multiple TCP/IP communication channels via TCP/IP Server Device.
- Supports several manufacturers Wiegand format for easy takeover. Supports multiple formats at same time.
- Supports Proximity, Bar code, Swipe, Biometric, Keypad Prox combo and more.
- Single board design taking less real-estate and making installing and troubleshooting a snap.
- Very Robust Design with all relay outputs utilizing Form C 10Amp 125VAC (Max 6Amp Load) Form C contacts

PRO-ACC SE / PRO-ACC Enterprise HCEC8 / PROEC8

Specifications

Power Input	VAC 40VA Transformer Certified Class2 CSA/UL Transformer	
Battery Input	1 Battery 12V, 7AH Provides up to 14 hours of standby operation	
Aux Power	12V DC@200mA max (used for Motions, Pezos, etc)	
Reader Power	5VDC or 12VDC via Jumper @ 250mA max per port	
Floor Relays	8 Floor Relays @ 6Amp max load each	
Communications	On Board RS422 @ 19,200 Baud using Compression algorithm and Data Encryption. (8 Data Bits, No parity, One Stop Bit)	
PCB Dimensions	23.2cm X 20cm (9.125" X 8")	
Enclosure Dimensions	28.60cm (W) X 38.75cm (H) X 7.70cm(D) (11.25" X 15.25" X 3.00")	
LED Indicator	1 AC indicator, 2 DC power Indicator, 8 output Indicators, 1 communication indicator	
Operating Temperature	From 0° °C to 50° °C.	
Operating Humidity	10% to 90% relative humidity non-condensing	
Color	Blue	
Reader Technology	Wiegand, Proximity, Biometric, Bar Code, Magnetic, Integrated Keypad and others	
Reader Wiring	500' (152m) max distance using 3 pair shielded 22GA	Belden 8777 or Equivalent
Communication Wiring	4000' (1230m) 2 pair twisted 22GA	Category 5 Cable or Equivalent
Weight	2.4KG (5.4 Lbs) with enclosure.	
Certification	 ETL Listed Conforms to UL STD 294 Certified to CSA-C22.2 NO. 205	

**PRO-ACC SE / PRO-ACC Enterprise HCSIO8 / HCPROSIOC8
8-Input and 8-Output Control Unit**




KEY Features

- 200 time zones
- 30 Holidays
- Extremely simple installation and configuration
- Fully distributed system (field panels contain all information to operate on their own with no connection to PC)
- All Headers quick disconnect for easy replacement.
- All inputs, outputs and power have led indicator for easy visual diagnostics.
- Multi Site Dial Up via Modem
- Direct Connect to PC via Serial or USB port, HC422/485 and Cat 5 Cable.
- 4000' (1230m) Bus Runs via Cat 5 Cable Daisy Chain Configuration supporting max of 32 or 100 panels (32 using IP, 100 using direct connect).
- Multiple TCP/IP communication channels via TCP/IP Server Device.
- Single board design taking less real-estate and making installing and troubleshooting a snap.
- Very Robust Design with all relay outputs utilizing Form C 10Amp 125VAC (Max 6Amp Load) Form C contacts



PRO-ACC SE / PRO-ACC Enterprise HCSIO8 / HC-PROSIOC8

Specifications

Power Input	VAC 40VA Transformer Certified Class2 CSA/UL Transformer	
Battery Input	1 Battery 12V, 7AH Provides up to 14 hours of standby operation	
Aux Power	12V DC@200mA max (used for Motions, Pezos, etc)	
Relay Outputs	8 Relays @ 6 Amp max load each	
Inputs	9 Dry Contact Inputs N/C for Monitoring Purposes.	
Communications	On Board RS422 @ 19,200 Baud using Compression algorithm and Data Encryption. (8 Data Bits, No parity, One Stop Bit)	
PCB Dimensions	23.2cm X 20cm (9.125" X 8")	
Enclosure Dimensions	28.60cm (W) X 38.75cm (H) X 7.70cm(D) (11.25" X 15.25" X 3.00")	
LED Indicator	1 AC indicator, 2 DC power Indicator, 8 input and 8 output Indicators, 1 communication indicator	
Operating Temperature	From 0° °C to 50° °C.	
Operating Humidity	10% to 90% relative humidity non-condensing	
Color	Blue	
Communication Wiring	4000' (1230m) 2 pair twisted 22GA	
Weight	2.4KG (5.4 Lbs) with enclosure.	
Certification	 ETL Listed Conforms to UL STD 294 Certified to CSA-C22.2 NO. 205	

EZ-ACC RIF2 2 Door Controller



KEY Features

- 200 time zones
- 30 Holidays
- Extremely simple installation and configuration
- Fully distributed system (field panels contain all information to operate on their own with no connection to PC)
- All Headers quick disconnect for easy replacement.
- All outputs and power have led indicator for easy visual diagnostics.
- Direct Connect to PC via Serial or USB port, HC422/485 and Cat 5 Cable.
- 4000' (1230m) Bus Runs via Cat 5 Cable Daisy Chain Configuration supporting max of 32 or 100 panels (32 using IP, 100 using direct connect).
- Multiple TCP/IP communication channels via TCP/IP Server Device.
- Single board design taking less real-estate and making installing and troubleshooting a snap.
- Very Robust Design with all relay outputs utilizing Form C 10Amp 125VAC (Max 6Amp Load) Form C contacts



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EZ-ACC RIF2 Specifications

Power Input	VDC 12V Transformer Certified Class2 CSA/UL Transformer
Battery Input	1 Battery 12V, 7AH Provides up to 14 hours of standby operation
Relay Outputs	2 Relays @ 6 Amp max load each
Communications	On Board RS422 @ 19,200 Baud using Compression algorithm and Data Encryption. (8 Data Bits, No parity, One Stop Bit)
PCB Dimensions	3.5" by 3.5"
Enclosure Dimensions	8" (W) 10" (H) X 4" (D)
LED Indicator	1 DC indicator, 2 Relay Indicators, 1 Communication Indicator
Operating Temperature	From 0° C to 50° C.
Operating Humidity	10% to 90% relative humidity non-condensing
Color	Blue
Communication Wiring	4000' (1230m') 2 pair twisted 22GA
Weight	1.5KG with enclosure.
Certification	N/A

HC-TCPIP (Allows Panels to Communicate over Network)



KEY Features

- DHCP as well as Static IP configurations
- TCP/IP to RS422/232/485 Connectivity
- Web interface for ease of configuration
- Connect up to 32 panels on one network drop
- Ideal for remote building connectivity via intranet or internet.
- Full Status LED's.
- XP/Vista/Windows7 compatible (32 and 64-bit)
- Supplied with 9V DC adapter.

HC-USB (Allows Panels to Communicate over USB Port)



KEY Features

- USB to RS422
- Allows easy connection of up to 32 panels via Cat5 communication cable back to PC
- Multiple HC-USB's may be used per Server Software.
- XP/Vista/Windows7 compatible (32 and 64-bit)

HC-77WS ELECTRIC STRIKE



KEY Features

- Easy installation
- No cutting or drilling required
- Horizontal Adjustment
- Vertical Adjustment
- 12VDC, available in Fail safe and Fail secure

HC-UB1 (Universal Button Kit)



KEY Features

- Momentary push button
- 240 combinations, one convenient package
- Cast aluminum faceplate
- Two sets of form "C" contacts

HC-RC17 Door Contact



KEY Features

- 3/8" Mini recessed contact
- 5/16" operating gap
- UL Listed

HC-RC25 Door Contact



KEY Features

- 3/4" Press fit contact
- 3/4" operating gap
- UL Listed

HC-SC39 Door Contact



KEY Features

- Standard Surface mount contact
- 3/4" operating gap
- Spacers and Cover included
- UL Listed



Specifications HC-PROX3 Reader (Dual Mount Mullion and Single Gang)

Size (Mullion): 4.5 x 1.6 x 0.75 inches (114 x 38 x 19 mm)
Size (Single Gang): 5.8 x 2.9 x 0.8 inches (147 x 74 x 20 mm)
Weight: 3 oz. (85 g)
Input Voltage b: +5 to 14 VDC
Current Draw c: 5 mA minimum, 45 mA typical, 80 mA peak
LED Indicator: Four-State Standard (Red, Green, Amber, and Off)
Audio Tone: Standard
Frequency: 125 KHz excitation
Compatibility: FarPointe, AWID, HID
Operating Temperature: -40° C to +65° C
Colors: Black
Metal Mounting: May be mounted directly to metal.
Certifications: CSA, UL, FCC, CE, C-Tick.

The multi-piece HC-PROX3 delivers non-contact read ranges up to 6 inches (152 mm), and operates from 5 to 14 VDC. Physical size is a compact 4.5 x 1.6 x 0.75 inches (114 x 38 x 19 mm) for mullion mounting and 5.8 x 2.9 x 0.8 inches (147 x 74 x 20 mm) for single gang mounting.

Mounting is simplified with horizontal and vertical mounting slots, instead of simple holes, which allow the reader to be conveniently adjusted and leveled. To allow both indoor and outdoor operation the electronics are secured in tamper-resistant epoxy potting.



Specifications HC-P640

Read Range a: PSC-1 - Up to 6 inches (152 mm) PSM-2 - Up to 4 inches (102 mm)
PSI-4 - Up to 4 inches (102 mm) PSK-3 - Up to 3 inches (76 mm)
Size: 4.6 x 3 x 0.7 inches (117 x 77 x 18 mm)
Weight: 4 oz. (113 g)
Input Voltage b: +5 to 14 VDC
Current Draw c: 30 mA minimum, 50 mA typical, 115 mA peak
LED Indicator d: Four-State Standard (Red, Green, Amber, and Off)
Audio Tone: Standard
Frequency: 125 KHz excitation
Operating Temperature: -40° C to +65° C
Colors: Black and Off-White
Metal Mounting: May be mounted directly to metal.
Certifications: FCC, CE, C-Tick.

The single-piece HC- P640 delivers non-contact read ranges up to 6 inches (152 mm), and operates from 5 to 14 VDC. Physical size is a compact 4.6 x 3 x 0.70 inches (117 x 77 x 18 mm). Mounting is simplified with horizontal and vertical mounting slots, instead of holes, which allow the reader to be conveniently adjusted and leveled. To allow both indoor and outdoor operation the electronics are sealed in tamper resistant epoxy potting.



Specifications HC-P710

Read Range a: PSC-1 - Up to 15 inches (381 mm)
PSI-4 - Up to 10 inches (254 mm) PSK-3 - Up to 6 inches (152 mm)
Size: 8.5 x 6 x 1 inches (216 x 152 x 26 mm)
Weight: 22.4 oz. (635 g)
Input Voltage b: +5 to 16 VDC
Current Draw: 200 mA typical, 600mA peak
LED Indicator: Oversized Four-State Standard (Red, Green, Amber, and Off)
Audio Tone: Standard
Frequency: 125 KHz excitation
Operating Temperature: -40° C to +65° C
Colors: Black
Metal Mounting: US- size single gang wall box or non-metallic flat surfaces.
Certifications: CSA, UL, FCC, CE, C-Tick.

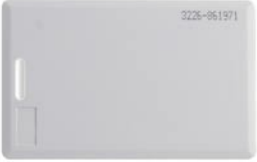

The single-piece, easy-to-install HC-P710 delivers non-contact read ranges up to 15 inches (381 mm), and operates from 5 to 16 VDC. Physical size is 8.5 x 6.0 x 1.0 inches (216x152x26 mm). Allowing for both indoor and outdoor operation, the electronics are secured in tamper-resistant epoxy potting.



Specifications HC-P400

Read Range a: PSC-1 - Up to 1 inch (25 mm) PSM-2 - Up to 1 inch (25 mm) PSI-4 - Up to 1 inch (25 mm) PSK-3 - Up to 1 inch (25 mm)
Size: 5.25 x 2 x 0.75 inches (134 x 51 x 19 mm)
Weight: 18 oz. (510 g)
Input Voltage b: +5 to 14 VDC
Current Draw: 90 mA typical
LED Indicator: N/A
Audio Tone: Standard
Frequency: 125 KHz excitation
Operating Temperature: -40° C to +65° C
Colors: Stainless Steel and Fibertex®
Metal Mounting: May be mounted directly to metal.

The single-piece HC-P400 delivers non-contact read ranges up to 1 inch (25 mm), and operates from 5 to 14 VDC. Physical size is a compact 5.25 x 2 x 0.75 inches (134 x 51 x 19 mm). To allow both indoor and outdoor operation the electronics are secured in tamper-resistant epoxy potting. Mounting provisions include two countersunk 0.25 inch thru-holes, as well as four ¼-20 tapped holes in the back, providing the option of a tamper-proof blind mount.

	<h3>Specifications HC-HCCPSC1</h3> <p>Read Range a: HC-P300 - Up to 4 inches (102 mm) P-600 - Up to 4 inches (102 mm) HC-P400 - Up to 1 inch (25 mm) P-700 - Up to 14 inches (356 mm) HC-P500 - Up to 5 inches (127 mm)</p> <p>Size: Nominal 3.4 x 2.2 x 0.06 inches (86 x 55 x 1.5 mm)</p> <p>Weight: 0.3 oz. (9 g)</p> <p>Operation: Passive (no battery)</p> <p>Frequency: 125 KHz excitation</p> <p>Humidity: 0-95% non-condensing</p> <p>Operating Temperature: -40° C to +65° C</p> <p>Material: ABS</p> <p>Color: Off-white</p> <p>Slot Punch: Vertical</p> <p>Marking: Date Code and ID</p> <p>The PSC-1 is based upon proven passive digital radio frequency identification (RFID) technology. Physical size is a nominal 3.4 x 2.2 x 0.06 inches (86x55x1.5 mm). It includes beveled edges, is constructed of durable ABS plastic and is backed by a lifetime warranty. A vertical slot punch is standard. Color is off-white.</p>
	<h3>Specifications HC-HCCPSK3</h3> <p>Read Range a: HC-P300 - Up to 2 inches (51 mm) P-600 - Up to 1 inches (25 mm) HC-P400 - Up to 1 inch (25 mm) HC-P700 - Up to 6 inches (152 mm) P-500 - Up to 3 inches (76 mm)</p> <p>Size: Nominal 1.5 x 1.2 x 0.15 inches (36 x 29 x 3.8 mm)</p> <p>Weight: 0.16 oz. (4.5 g)</p> <p>Operation: Passive (no battery)</p> <p>Frequency: 125 KHz excitation</p> <p>Humidity: 0-95% non-condensing</p> <p>Operating Temperature: -40° C to +65° C</p> <p>Material: ABS</p> <p>Color: Light Gray</p> <p>Eyelet: Reinforced Brass</p> <p>Marking: Date Code and ID</p> <p>The PSK-3 is manufactured of light gray ABS and is based upon proven passive radio frequency identification technology (RFID). Physical size is a nominal 1.5 x 1.2 x 0.15 inches (36x29x3.8 mm), making it one of the absolute smallest proximity key ring tags available.</p>



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Specifications HC-HCCPS14

Read Range a: HC-P300 - Up to 3 inches (76 mm) P-600 - Up to 3 inches (76 mm) HC-P400 - Up to 1 inch (25 mm) P-700 - Up to 10 inches (254 mm) P-500 - Up to 4 inches (102 mm)

Size: Nominal 3.38 x 2.12 x 0.031 inches (85.9 x 53.8 x 0.79 mm)

Weight: 0.19 oz. (5.5 g)

Operation: Passive (no battery)

Frequency: 125 KHz excitation

Humidity: 0-95% non-condensing

Operating Temperature: -40° C to +65° C

Material: PVC **Color:** Glossy White

Slot Punch: Vertical and Horizontal Indicators

Marking: Date Code and ID

Graphics Quality Prox Card ISO Compliant Thickness for Badging Graphics Quality, Both Sides, Standard! Portrait or Landscape Punch Capability No Diminished Read Range Available with magnetic stripe (GRMAG)

LONG RANGE READERS

With the Ranger Transmitters the Ranger Receiver, model HC-WRR-42, comprises long range identification solution. Ranger is ideal for long range access control applications, such as opening parking gates, raising and lowering vehicle barriers, arming and disarming alarm systems, as well as those applications calling for emergency duress. The Ranger Receiver was designed to output Wiegand data and install similar to our proximity readers for easy integration to our access control systems.

Advanced Technology

- 433 MHz: UHF frequency offers up to 150-feet of read range - Wiegand outputs standard

Strong Security

Rolling code combined with sophisticated encryption between Transmitter and Receiver provides best-in-class security.

Easy Installation

- Weather resistant enclosure allows both indoor and outdoor installation
- Receiver includes a drill template providing mounting provisions to USA or European wall boxes
- Pre-drilled holes in the four corners allow installation to flat surfaces

Additional Features

- Adjustable read range; simply rotate the knob found inside the enclosure
- Compatible with both models WRT-1 one-button and WRT-4 four-button transmitters

Each Transmitter integrates the convenience of long range identification with traditional proximity access control. For example, if a site requires employees to access a parking structure (gate/barrier) and a door (building entrance), the Ranger solution will enable each user to access both the long range and proximity applications with a single Ranger Transmitter. For the parking structure, the user presses the Transmitter button from the convenience of their vehicle (without lowering the window) and when at the door they can simply present the Transmitter to the building's proximity reader. Since identical data is transmitted upon button press or presentation, each user need only be enrolled once in the access control system.



Specifications HC-WRR-42

Dimensions: 6.3 x 3.4 x 2.3 inches

Power Supply: Linear supply recommended, 8-24 VDC

Current Draw: 80mA typical

Operating Temperature: -40° C to +65° C

Input Voltage: 8 to 24 VDC

Cable Distance: Up to 500 ft.

Transmit Frequency: 433 MHz

Audio Tone: Standard internal Piezo beeper

Weight: 9.3 oz. (289.3 g)

LEDs: Standard internal and external; switchable

Read Range: Installer Adjustable, up to 150 feet (46 m) with 1-button or 4-button transmitter

Certifications: FCC, IC, CE, and C-Tick

Mounting: USA/European wall box or flat surface

Compatibility: WRT-1 and WRT-4 Ranger Transmitters

Enclosure: Off-white IP66 compliant plastic enclosure

Warranty: The WRR-42 carries a limited 1-year warranty against defects in material and workmanship

Formats: Wiegand (26-bit Industry standard and custom Wiegand formats)

Channels: 2 channels, A or B; installer selectable

Wiegand Outputs: 2 per channel

Secure Transmission: Rolling code + Encryption



Hartmann's Data's Transmitters, commonly known as 'clickers,' offer the benefit of two technologies: button press for long range identification and presentation for proximity solutions. Button press applications operate at 433 MHz and are powered by a replaceable 12 Volt battery. During presentation, Ranger Transmitters operate passively at 125 kHz, just like a proximity credential, and are compatible with the full line of Pyramid Series Proximity® readers. The easy to carry one and four-button Ranger Transmitters come with a red LED indicator, and are delivered standard on a key ring. Transmitters are sequentially coded in either a standard 26-bit or custom Wiegand format, all with exact number sequences, with no gaps, and with no under - or over - runs.

