# PRO4200

## **Professional Series Access Modules**

The PRO4200 professional series family of access control modules is designed for high density installations.

The PRO4200 professional series can be managed through WIN-PAK® integrated security suite for more advanced features such as Video integration, advance reporting, rules and photo badging, elevator control, touch-less access and mobile credential management.

Supporting up to 18 doors per enclosure and 34 doors per intelligent controller along with up to 100,000 card capacity, PRO4200 Series provide a combination of small installation footprint and superior cost per door ratio.

The new PRO42IC Intelligent Controller provides I/O support for 2 doors in WIN-PAK 4.9 or higher \*. The PRO42R1 provides I/O support for one card access reader, while the PRO42R2 support two card access readers. Both interface with the intelligent control module (PRO42IC). In the event that communication to the intelligent control module is lost, the card access readers be individually configured to allow entrance based on security needs. This customization allow or a

be configured as secured, locked and unlocked. PRO4200 modules provide latest bi-directional and strong encrypted OSDP communication with the Access Control readers. For legacy and retrofit installations, Wiegand format is still supported.

The PRO42OUT interfaces provide up to 16, Form C, 30 VDC, 2A relay output controls depending if the board is rack or tile-mounted, power fail and panel tamper when tile mounted. Relays may be used for elevator control, status annunciation and for general facility control, such as door monitoring.

The PRO42IN interfaces provide 16 supervised alarm inputs and a dedicated power fail and panel tamper when tile mounted. An analog to digital converter samples the input values and the digitized result is filtered and processed. Filter parameters are configurable for each input point, resulting in the ability to specify a custom End-Of-Line (EOL) resistance value, sensitivity range and timing parameter.



The PRO4200 Series of access modules are designed to accommodate various mounting options. Units can be mounted in a rack configuration (PRO22ENC1, PRO22ENC2 and PRO22E C5) when space is limited, or in a tilemount configuration (PRO22ENC3).

- The PRO22ENC1 is a wall-mounted enclosure rack unit (See picture)
- The PRO22ENC2 is a 19" rack-mounted enclosure rack unit
- The PRO22ENC5 is a rack unit which fits inside a customer's enclosure
- \*The new PRO42IC Intelligent Controller provides I/O support for up to 2 doors with a maximum of 2 OSDP readers per door or 1 Wiegand reader per door. The PRO42R1 provides I/O support for up to 1 door and the PRO42R2 supports up to 2 doors.

  The PRO42R1 and PRO42R2 will support a maximum of 2 OSDP readers per door or 1 Wiegand reader per door.

## FEATURES AND BENEFITS





- Modular design fits a wide variety of applications
- Up to 9 modules, powersupply and battery can be accommodated by the PRO22ENC1, PRO22ENC2 and PRO22ENC5 (no battery) enclosures
- User programmable relay outputs allow for specific control needs
- User programmable alarm inputs offer flexible system configuration and control



- RS485 communication to all modules
- Analog to digital converter technology provides digital filtering and input conditioning
- Dedicated cabinet tamper and power monitor inputs
- Supports the choice of normally open, normally closed, supervised, and non-supervised circuits
- Supports a wide range of reader technologies including OSDP and Wiegand



- System off-line modes customizable per reader include secured access, locked (no access), and unlocked (fullaccess)
- Supports multiple reader and card formats for maximum flexibility and security options
- Operating modes includes locked, unlocked, secure access, card only, card and PIN, card or PIN and PIN only





- Any combination of 16 downstream I/O or readers modules may be connected to the PRO42IC RS485 ports. 4,000 ft (1,250 m) total bus length per port
- Supports over 50,000 transaction buffer



## **SPECIFICATIONS**

Keypad multiplexed with card data WIRE SUPPORT WIRE SUPPORT WIRE SUPPORT Buzzer support only with one-wire LED control  8 supervised, general purpose alarm inputs with programmable circuit type 2 supervised, general purpose alarm inputs with programmable circuit type 2 supervised, general purpose alarm inputs with programmable circuit type 2 supervised, general purpose alarm inputs with programmable circuit type 3 supervised, general purpose alarm inputs with programmable circuit type 3 supervised, general purpose alarm inputs with programmable circuit type 3 supervised, general purpose alarm inputs with programmable circuit type 3 supervised, general purpose alarm inputs with programmable circuit type 4 control of the programmable circuit type 4 control of the programmable circuit type 4 control of the programmable circuit type 5 control of the programmable circuit type 5 control of the programmable circuit type 6 control of the programmable circuit type 7 control of the programmable circuit type 8 control of the programmable circuit type 8 control of the programmable circuit type 9	MODULE SPECIFICATIONS	PRO4200 SERIES SINGLE READER MODULE (PRO42R1)	PRO4200 SERIES DUAL READER MODULE (PRO42R2)	
BUZZER BU	PORT	Reader port 12/24VDC @ 500mA, OSDP; Wiegand; Dt/Clk*	2 Reader port 12/24VDC @ 300mA, OSDP; Wiegand; Dt/Clk	
Buzzer support only with one-wire LED control  3 supervised, general purpose alarm inputs with programmable circuit type (only 6 supervised inputs vith programmable circuit type (only 6 supervised inputs vith programmable circuit type (only 6 supervised inputs variables when using PROZENC2 and PROZENC3 and PROZENC5 onclosures)  2 output relay, form C, 5A 40 VDC  2 output relay, form C, 2A 30 VDC  2 output relay, form C, 2A 30 VDC  2 output relay, form C, 5A 30 VDC  2 output relay, form C, 5A 30 VDC  2 general purpose output relay, form C, 5A 30 VDC  ALARM INPUT PROPERTIES  Inputs may be assigned to door related functions or general purpose I/O  Circuit type - normally open, normally closed, non-supervised, supervised (with standard 1 k or custom end-of-line resistance 200-10k)  CIRCUIT TYPE  CIRCIIT TYPE  CIRCUIT TYP	KEYPAD	Keypad multiplexed with card data		
Support  Buzzer support only with one-wer LEU control  ALARM INPUTS  2 supervised, general purpose alarm inputs with programmable circuit type (only 6 supervised inputs with programmable circuit type (only 6 supervised inputs with programmable circuit type (only 6 supervised inputs wath programmable sensitive) (only 6 supervised inputs wath programmable circuit type (only 6 supervised supervised supervised supervised	WIRE SUPPORT	Γwo-wire or one-wire bi-color LED support		
ALARM INPUTS  2 supervised, general purpose alarm inputs with programmable circuit type (only 6 supervised inputs programmable circuit type could be programmable circuit type could be programmable circuit type (only 6 supervised input programmable circuit type)  2 output relay.  2 output relay, form C, 5A 40 VDC  2 output relay, form C, 5A 30 VDC  3 output relay, form C, 5A 30 VDC  4 output relay, form C, 5A 30 VDC  2 output relay, form C, 5A 30 VDC  3 output relay, form C, 5A 30 VDC  4 oenclosure  4 ALARM INPUT PROPERTIES  Inputs may be assigned to door related functions or general purpose I/O  Circuit type - normally open, normally closed, non-supervised, supervised (with standard 1k or custom end-of-line resistance 200-10k)  Line conditioning - programmable sensitive hold time  OUTPUT CONTROL PROPERTIES  OUTPUT  Outputs may be assigned to door related functions or general purpose I/O  The relay's Jar arrated to handle the inductive loads of door locking devices  5-4 SUPPRESSOR CABLE TO THE DOOR OPENER  CONFIGURABLE Configurable as standard energize to activate) or fail-safe (de-energize to activate)  PULSE TIME  1-42,400 seconds, 1-255 for door relays  RS485 PORT, 4,000 ft (1,250m) total bus length  STANDARD  38.4 Kbps  MODULE  SPECIFICATIONS  OUTPUT MODULE (PRO42OUT)  ALARM INPUTS  2 dedicated (unsupervised) alarm inputs for tamper detection and power loss (tile-mounted only)  ALARM INPUTS  2 dedicated (unsupervised) alarm inputs for tamper detection and power loss (tile-mounted only)  ALARM INPUTS  2 dedicated (unsupervised) alarm inputs for general purpose inputs with programmable circuit typ (and proper inputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC  The 5A relays are rated to handle dry circuit logic (Resistive)  DUTPUT CONTROL PROPERTIES  OUTPUT  All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  Both relay outputs are available for general purpose I/O  Both relay outputs are availabl		Buzzer support only with one-wire LED control	Buzzer support only with one-wire LED control	
(DOOR STRIKES)         Logeneral purpose output relay, form C, 5A 30 VDC         2 general purpose autput relay, form C, 5A 30 VDC           OUTPUT RELAYS         1 general purpose output relay, form C, 5A 30 VDC         2 general purpose output relay, form C, 5A 30 VDC           MOUNTING         Designed to be tile-mounted using the PROZZENC4 enclosure         ALARM INPUT PROPERTIES           INPUTS         Inputs may be assigned to door related functions or general purpose I/O           CIRCUIT TYPE         Circuit type - normally open, normally closed, non-supervised, supervised (with standard 1 Kor custom end-of-line resistance 200-10K)           LINE         CONDITIONING           CIRCUIT TYPE         Line conditioning - programmable sensitive hold time           OUTPUT CONTROL PROPERTIES         OUTPUT CONTROL PROPERTIES           OUTPUTS         Outputs may be assigned to door related functions or general purpose I/O           RELAY RATING         The relays(2) are rated to handle the inductive loads of door locking devices \$-4 SUPPRESSOR CABLE TO THE DOOR OPENER           CONFIGURABLE         Configurable as standard (energize to activate) or fail-safe (de-energize to activate)           PULSET TIME         1-42,400 oft (1,250m) total bus length           STANDARD         8485 port, 4,000 ft (1,250m) total bus length           SPECIFICATIONS         PRO4200 SERIES SIXTEEN RELAY         PRO4200 SERIES SIXTEEN ALARM INPUT           ALARM INPUTS         2 ded	ALARM INPUTS		programmable circuit type (only 6 supervised inputs available when using PRO22ENC1, PRO22ENC2 and PRO-	
MOUNTING Designed to be tile-mounted using the PRO22ENC4 n/A  ALARM INPUT PROPERTIES INPUTS Inputs may be assigned to door related functions or general purpose I/O Circuit type - normally poen, normally closed, non-supervised, supervised (with standard IX or custom end-of-line resistance 200-10K)  Line conditioning - programmable sensitive hold time  OUTPUT CONTROL PROPERTIES  OUTPUTS Outputs may be assigned to door related functions or general purpose I/O OUTPUT GOUTPUT OUTPUT OU		1 output relay, form C, 5A 40 VDC	2 output relay, form C, 2A 30 VDC	
ALARM INPUT S  ALARM INPUTS  ALARM INPUTS  Inputs may be assigned to door related functions or general purpose I/O  CIRCUIT TYPE  Circuit type - normally open, normally closed, non-supervised, supervised (with standard 1K or custom end-of-line resistance 200-10K)  Line conditioning - programmable sensitive hold time  OUTPUT CONTROL PROPERTIES  OUTPUT CONTROL PROPERTIES  OUTPUT CONTROL PROPERTIES  OUTPUT CONTROL PROPERSOR CABLE TO THE DOOR OPENER  CONFIGURABLE  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  PULSE TIME  1-42,400 seconds, 1-255 for door relays  RS485 port, 4,000 ft (1,250m) total bus length  STANDARD  SPECIFICATIONS  ALARM INPUTS  2 dedicated (unsupervised) alarm inputs for tamper detection and power loss (tile-mounted only)  ALARM INPUTS  ALARM INPUTS  1-2 general purpose output relays, form C, 5A 30 VDC  (16 are available when using PRO2ZENC3  tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  Configurable as standard (energize to activate) or fail-safe (de-energize to activate) or fail-safe (de-energize to activate)  N/A  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit Type - normally closed, non-supervised, supervised (with correct EOL)  Line conditioning - programmable sensitivity and hold time  CONFIGURABLE  Line conditioning - programmable sensitivity and hold time  CIRCUIT TYPE  N/A  COMMUNICATION FEATURES  MEASUREMENTS  R5485 port, 4,000 ft (1,250m) total bus length per port	OUTPUT RELAYS	1 general purpose output relay, form C, 5A 30 VDC	2 general purpose output relay, form C, 5A 30 VDC	
Inputs may be assigned to door related functions or general purpose I/O CIRCUIT TYPE Circuit type - normally open, normally closed, non-supervised, supervised (with standard IX or custom end-of-line resistance 200-10K)  Line conditioning - programmable sensitive hold time  OUTPUT CONTROL PROPERTIES  OUTPUTS Outputs may be assigned to door related functions or general purpose I/O RELAY RATING The relay(s) are rated to handle the inductive loads of door locking devices S-4 SUPPRESSOR CABLE TO THE DOOR OPENER CONFIGURABLE COnfigurable as standard (energize to activate) or fail-safe (de-energize to activate) PULSE TIME 1-42,400 seconds, 1-255 for door relays RS485 PORT RS485 PO	MOUNTING		N/A	
Circuit type – normally open, normally closed, non-supervised (with standard 1 K or custom end-of-line resistance 200-10K)  LINE CONDITIONING  Line conditioning – programmable sensitive hold time  DUTPUT CONTROL PROPERTIES  DUTPUT CONTROL PROPERTIES  DUTPUTS  Outputs may be assigned to door related functions or general purpose I/O  The relay(s) are rated to handle the inductive loads of door locking devices  4 SUPPRESSOR CABLE TO THE DOOR OPENER  CONFIGURABLE  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  PULSE TIME  1-42,400 seconds, 1-255 for door relays  RS485 port, 4,000 ft (1,250m) total bus length  STANDARD  STANDARD  SPECIFICATIONS  MODULE  PRO4200 SERIES SIXTEEN RELAY  OUTPUT MODULE (PRO420UT)  ALARM INPUTS  12 general purpose inputs with programmable circuit by a general purpose form C, 5A 30 VDC (16 are available when using PRO22ENC3 (and PRO22ENC5)  DUTPUT CONTROL PROPERTIES  DUTPUT CONTROL PROPERTIES  DUTPUT CONTROL PROPERTIES  N/A  ALARM INPUT PROPERTIES  N/A  ALARM INPUT PROPERTIES  N/A  ALI 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power los general purpose I/O 2 dedicated for tamper and power los general purpose I/O 2 dedicated for tamper and power los g	ALARM INPUT P	ROPERTIES		
LINE LINE CONDITIONING Line conditioning - programmable sensitive hold time OUTPUT CONTROL PROPERTIES  OUTPUT CONTROL PROPERT	INPUTS			
CONDITIONING  Unterpretation  OUTPUT CONTROL PROPERTIES  OUTPUT CONTROL PROPERTIES  OUTPUTS  Outputs may be assigned to door related functions or general purpose I/O  RELAY RATING  S-4 SUPPRESSOR CABLE TO THE DOOR OPENER  CONFIGURABLE  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  PULSE TIME  1-42,400 seconds, 1-255 for door relays  RS485 PORT  R	CIRCUIT TYPE			
The relay(s) are rated to handle the inductive loads of door locking devices S-4 SUPPRESSOR CABLE TO THE DOOR OPENER  CONFIGURABLE CONFIGURABLE 1-42,400 seconds, 1-255 for door relays RS485 PORT RS4		Line conditioning - programmable sensitive hold time		
The relay(s) are rated to handle the inductive loads of door locking devices \$-4 SUPPRESSOR CABLE TO THE DOOR OPENER  CONFIGURABLE Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  PULSE TIME 1-42,400 seconds, 1-255 for door relays RS485 PORT RS485 port, 4,000 ft (1,250m) total bus length  STANDARD SPEED 38.4 Kbps  MODULE STANDARD SPECIFICATIONS OUTPUT MODULE (PR0420UT) ALARM INPUTS ALARM INPUTS ALARM INPUTS ALARM INPUTS OUTPUT RELAYS OUTPUT RELAYS OUTPUT RELAYS OUTPUT RELAYS OUTPUT CONTROL PROPERTIES OUTPUT Alt 16-relay outputs in the tile-mount configuration of 1 rack mount) are available for general purpose I/O DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive) PULSE TIME 1-32,400 seconds Configurable as standard (energize to activate) or fail-safe (de-energize to activate) or fail-safe (de-energize to activate) or fail-safe (de-energize to activate)  N/A  ALARM INPUTS Alt 16-relay outputs in the tile-mount configuration of 1 rack mount) are available for general purpose I/O BRY CIRCUIT LOGIC PULSE TIME 1-32,400 seconds Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  N/A  ALARM INPUT PROPERTIES  INPUTS 2 dedicated for tamper detection and power loss CIRCUIT TYPE N/A  Circuit type - normally closed, non-supervised, supervised (with correct EOL)  Line conditioning - programmable sensitivity and hold time COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	OUTPUT CONTR	TROL PROPERTIES		
CONFIGURABLE CONFIGURABLE CONFIGURABLE CONFIGURABLE CONFIGURABLE 1-42.400 seconds, 1-255 for door relays RS485 port, 4,000 ft (1,250m) total bus length  STANDARD SPEED 38.4 Kbps  MODULE SPECIFICATIONS ALARM INPUTS ALARM INPUTS OUTPUT MODULE (PR0420UT) ALARM INPUTS OUTPUT RELAYS OUTPUT MODULE INPUTS OUTPUT RELAYS OUTPUT MODULE INPUTS OUTPUTS OUTPUT MODULE INPUTS OUTPUTS OUTPUTS OUTPUTS OUTPUT MODULE INPUTS OUTPUTS O	OUTPUTS	Outputs may be assigned to door related functions or general purpose I/O		
PULSE TIME RS485 PORT RS485 PORT, 4,000 ft (1,250m) total bus length  38.4 Kbps  PRO4200 SERIES SIXTEEN RLAY OUTPUT MODULE (PRO420IT) MODULE (PRO42IN)  ALARM INPUTS N/A  16 general purpose inputs with programmable circuit typ. 2 general purpose inputs with programmable circuit typ. 2 general purpose, form C, 5A 30 VDC relays (only one available when using PRO22ENC1, PRO22ENC and PRO22ENC5)  OUTPUT CONTROL PROPERTIES  OUTPUT All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME 1-32,400 seconds  Configurable Configurable Configurable Configurable Configurable ALARM INPUT PROPERTIES  INPUTS 2 dedicated for tamper detection and power loss All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power los  Circuit type N/A  ALARM INPUT PROPERTIES  INPUTS 2 dedicated for tamper detection and power loss CIRCUIT TYPE N/A  Circuit system N/A  Line conditioning - programmable sensitivity and hold time COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	RELAY RATING	,		
RS485 PORT RS485 port, 4,000 ft (1,250m) total bus length  STANDARD SPEED 38.4 Kbps  MODULE PRO4200 SERIES SIXTEEN RELAY OUTPUT MODULE (PRO420UT) MODULE (PRO421N)  ALARM INPUTS 2 dedicated (unsupervised) alarm inputs for tamper detection and power loss (tile-mounted only)  ALARM INPUTS N/A 16 general purpose inputs with programmable circuit type 2 general purpose inputs with programmable circuit type 2 general purpose, form C, 5A 30 VDC (16 are available when using PRO22ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT Al16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME 1-32,400 seconds  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  ALARM INPUT PROPERTIES  INPUTS 2 dedicated for tamper detection and power loss  CIRCUIT TYPE N/A Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  Line CONDITIONING N/A Line conditioning - programmable sensitivity and hold time COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	CONFIGURABLE	Configurable as standard (energize to activate) or fail-safe (de-energize to activate)		
MODULE SPECIFICATIONS PRO4200 SERIES SIXTEEN RELAY OUTPUT MODULE (PRO420UT) MODULE (PRO42IN)  ALARM INPUTS 2 dedicated (unsupervised) alarm inputs for tamper detection and power loss (tile-mounted only)  ALARM INPUTS 12 general purpose output relays, form C, 5A 30 VDC (16 are available when using PRO22ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME 1-32,400 seconds  CONFIGURABLE Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  ALARM INPUT PROPERTIES  INPUTS 2 dedicated for tamper detection and power loss general purpose I/O 2 dedicated for tamper and power loss CIRCUIT TYPE N/A Circuit type - normally closed, onon-supervised, supervised (with correct EOL)  LINE CONDITIONING N/A Line conditioning - programmable sensitivity and hold time COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	PULSE TIME	1-42,400 seconds, 1-255 for door relays		
MODULE SPECIFICATIONS  MODULE SPECIFICATIONS  MODULE (PR04200 SERIES SIXTEEN RELAY OUTPUT MODULE (PR0420UT)  ALARM INPUTS  ALARM INPUTS  ALARM INPUTS  ALARM INPUTS  ALARM INPUTS  DUTPUT RELAYS  OUTPUT RELAYS  12 general purpose output relays, form C, 5A 30 VDC (16 are available when using PR022ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT  All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC  The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME  1-32,400 seconds  Configurable as standard (energize to activate)  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  COMMUNICATION FEATURES  MEASUREMENTS  R5485 port, 4,000 ft (1,250m) total bus length per port	RS485 PORT	RS485 port, 4,000 ft (1,250m) total bus length		
ALARM INPUT PROPERTIES  OUTPUT MODULE (PRO42OUT)  ALARM INPUTS  2 dedicated (unsupervised) alarm inputs for tamper detection and power loss (tile-mounted only)  12 general purpose output relays, form C, 5A 30 VDC (16 are available when using PRO22ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT  All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME  1-32,400 seconds  CONFIGURABLE CONFIGURABLE ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  All 16 inputs may be assigned to door related functions on general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING N/A  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port		38.4 Kbps	38.4 Kbps	
ALARM INPUTS  N/A  12 general purpose output relays, form C, 5A 30 VDC (16 are available when using PRO22ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT  All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC  PULSE TIME  1-32,400 seconds  Configurable as standard (energize to activate)  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  COMMUNICATION FEATURES  MEASUREMENTS  R S485 port, 4,000 ft (1,250m) total bus length per port				
12 general purpose output relays, form C, 5A 30 VDC (16 are available when using PRO22ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT  All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC PULSE TIME  1-32,400 seconds  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  ALI 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port	ALARM INPUTS	2 dedicated (unsupervised) alarm inputs for tamper de	tection and power loss (tile-mounted only)	
(only one available when using PRO22ENC3 tile-mounted enclosure)  OUTPUT CONTROL PROPERTIES  OUTPUT  All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC  The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME  1-32,400 seconds  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  N/A  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power los  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  Line conditioning - programmable sensitivity and hold time  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port	ALARM INPUTS	N/A	16 general purpose inputs with programmable circuit typ	
All 16-relay outputs in the tile-mount configuration (1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive) PULSE TIME 1-32,400 seconds  Configurable Configurable Configurable ALARM INPUT PROPERTIES INPUTS 2 dedicated for tamper detection and power loss CIRCUIT TYPE N/A  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING N/A  COMMUNICATION FEATURES  RS485 port, 4,000 ft (1,250m) total bus length per port	OUTPUT RELAYS	(16 are available when using PRO22ENC3	(only one available when using PRO22ENC1, PRO22ENC	
(1 rack mount) are available for general purpose I/O  DRY CIRCUIT LOGIC The 5A relays are rated to handle dry circuit logic (Resistive)  PULSE TIME 1-32,400 seconds  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  ALARM INPUT PROPERTIES  INPUTS 2 dedicated for tamper detection and power loss  CIRCUIT TYPE N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING N/A  Line conditioning - programmable sensitivity and hold time COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	OUTPUT CONTR	OL PROPERTIES		
CONFIGURABLE  Configurable as standard (energize to activate) or fail-safe (de-energize to activate) or fail-safe (de-energize to activate)  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  Line conditioning - programmable sensitivity and hold time  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port	ОИТРИТ		Both relay outputs are available for general purpose I/O	
CONFIGURABLE  Configurable as standard (energize to activate) or fail-safe (de-energize to activate)  ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  Line conditioning - programmable sensitivity and hold time  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port	DRY CIRCUIT LOGI	C The 5A relays are rated to handle dry circuit logic (Resistive)	Both relay outputs are rated to handle dry circuit logic (Resistive	
ALARM INPUT PROPERTIES  INPUTS  2 dedicated for tamper detection and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  COMMUNICATION FEATURES  RS485 port, 4,000 ft (1,250m) total bus length per port	PULSE TIME	1-32,400 seconds		
All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  Line conditioning - programmable sensitivity and hold time  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port	CONFIGURABLE		N/A	
general purpose I/O 2 dedicated for tamper detection and power loss  general purpose I/O 2 dedicated for tamper and power loss  CIRCUIT TYPE  N/A  Circuit type - normally open, normally closed, non-supervised, supervised (with correct EOL)  LINE CONDITIONING  N/A  COMMUNICATION FEATURES  MEASUREMENTS  RS485 port, 4,000 ft (1,250m) total bus length per port	ALARM INPUT P	ROPERTIES		
non-supervised, supervised (with correct EOL)  LINE CONDITIONING N/A Line conditioning - programmable sensitivity and hold time  COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	INPUTS	2 dedicated for tamper detection and power loss	All 16 inputs may be assigned to door related functions or general purpose I/O 2 dedicated for tamper and power los	
COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	CIRCUIT TYPE	N/A		
COMMUNICATION FEATURES  MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	LINE CONDITIONIN			
MEASUREMENTS RS485 port, 4,000 ft (1,250m) total bus length per port	COMMUNICATIO	ON FEATURES		
SPEED 38.4 Kbps				
	SPEED			

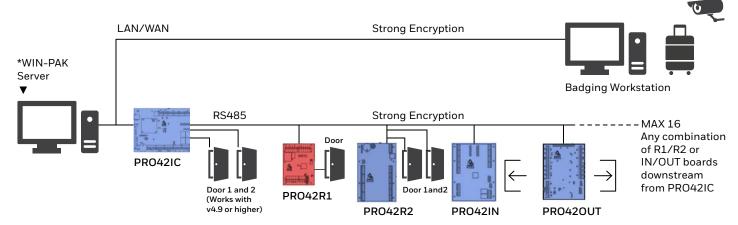


## **BENEFITS**

- Anti-passback support free pass and exempt flags, last area accessed, last reader accessed and time/date of last access
- Modular hardware architecture provides flexibility and expansion capabilities
- Large, local controller database allows access control decisions to be made by controller in real time without the need to communicate to the server
- ADA compliant allowing expanded door times selectable per reader
- Scalable architecture ensures optimal performance with a seamless upgrade path to accommodate future growth beyond its initial installation
- Four-state alarm input circuits - normally opened, normally closed, non-supervised, supervised (w/EOL)
- Rack or tile mounting options available

- Alarm conditioning with programmable sensitivity and hold time
- Selectable reader states include card and PIN, card or PIN, card only, or PIN only
- Power Supply supports 120 VAC
- System off-line modes customizable per reader include secured access, locked (no access), and unlocked (full-access)
- Supports multiple reader and card formats for maximum flexibility and security options
- Supports Wiegand and/or OSDP communication
- Enhanced Cyber Security
- Port based network access control using 802.1X
- Host communications protected by TLS 1.2/1.1 or AES-256/128

## PRO4200 CONFIGURATION



**RED** boards = Mercury Series 3

**BLUE** boards = Honeywell PRO4200 modules

PRO22ENC1 = 9 Board Capacity/PRO22ENC3 = 2 Board Capacity

<sup>\*</sup>Native support in WIN-PAK coming soon in 4.9 version onwards (PRO42IC On-Board Door support, OSDPV2, TLS1.2).

		PRO22ENC1		PRO22ENC3	
MODULE	READERS	INPUTS	OUTPUTS	INPUTS	OUTPUTS
PRO42R1	2 OSDP   1 Wiegand	N/A	N/A	2	2
PRO42R2	4 OSDP   2 Wiegand	6	4	10**	6
PRO42OUT	0	0	12	2**	16
PRO42IN	0	16	1	18**	2
**Two are used to monitor Power and Tamper (Dedicated)					



<sup>\*</sup>WIN-PAK 4.8.2 or higher supports Legacy Mode which includes all feature sets of the PRO3200 Series.

## SPECIFICATIONS

#### **DIMENSIONS / BOARDS**

PRO42R1

2.75" H x 4.25" W x 1.0" D (70mm x 108mm 25mm)

 PRO42IC, PRO42R2, PRO42IN, PRO42OUT

9.0" H x 5.5" W x 1.0" D (230mm x 140mm x 25mm)

#### **ENCLOSURES**

• PRO22ENC1

13.9" H x 17" W x 9" D  $(353 \, \text{mm} \times 432 \, \text{mm} \times 229 \, \text{mm})$ 

PRO22ENC2

13.9" H x 18.9" W x 9" D  $(353 \, \text{mm} \times 480 \, \text{mm} \times 229 \, \text{mm})$ 

PRO22ENC3

14" H x 16" W x 4" D  $(356 \, \text{mm} \times 406 \, \text{mm} \times 102 \, \text{mm})$ 

• PRO22ENC4

8.37" H x 7.63" W x 7.63" D  $(213 \, \text{mm} \, \text{x} \, 194 \, \text{mm} \, \text{x} \, 194 \, \text{mm})$ 

PRO22ENC5

9.35" H x 16.85" W x 5.6" D  $(237 \, \text{mm} \times 428 \, \text{mm} \times 142 \, \text{mm})$ 

#### **ENVIRONMENT**

- Temperature: 0°C to 49°C\* operational; -55°C to 85°C storage
- Humidity: 5 to 85% RHNC

#### **WIRE REQUIREMENTS**

Power

Twisted pair, 18 AWG

Ethernet

F(S)TP/CAT7, 300 ft (100m) max

RS485

22-24 AWG, 4,000 ft (1,200m) max, two twisted pairs with shield (F(S)TP/CAT7)

Alarm Input

Twisted pair, 30 ohms max

## **ENCLOSURES**

• PRO22ENC1

(Wall-mount) Capacity: 9 modules. Power supply and battery not included

• PRO22ENC2

(19" Rack-mount) Capacity: 9 modules. Power supply and battery not included

• PRO22ENC3

(Tile-mount) Capacity: 2 modules. Power supply and battery included

• PRO22ENC4

(Tile-mount) Capacity: 1 module (PRO42R1 only). Power supply and battery included

PRO22ENC5

(Cage only for custom enclosures) Capacity: 9 modules. Power supply and battery not included





PRO42OUT

PRO42IN

PRO42IC

PRO42R2

### **PRO4200 CONTROLLERS**

PRO42IC	PRO4200 Intelligent Controller
PRO42R1	PRO4200 single reader module
PRO42R2	PRO4200 Dual Reader Module
PRO42OUT	PRO4200 16 Relay Output Module
PRO42IN	PRO4200 16 Alarm Input Module

## **PRO-SERIES ENCLOSURES**

PRO22ENC1	(Wall-mount) Capacity: 9 modules. Power supply and battery not included
PRO22ENC2	(19" Rack-mount) Capacity: 9 modules. Power supply and battery not included
PRO22ENC3	(Tile-mount) Capacity: 2 modules. Power supply and battery included
PRO22ENC4	(Tile-mount) Capacity: 2 modules. (PRO42R2 only). Power supply and battery not included
PRO22ENC5	(Cage only for custom enclosures) Capacity: 9 modules. Power supply and battery not included

#### **PRO4200 STARTER KIT WITH SOFTWARE**

PRO42SKD10\* 10 Door Starter Kit (1) PRO42E1D10 with WIN-PAK SE Software

## **PRO4200 EXPANSION KITS\***

PRO42E1D4	Door Kit: (1) PRO42R2, (2) S-4, and (1) PRO42E1EN
PRO42E1D6	6 Door Kit: (2) PRO42R2, (4) S-4, and (1) PRO42E1EN
PRO42E1D10	10 Door Kit: (4) PRO42R2, (8) S-4, and (1) PRO42E1EN

## **OPTIONAL ACCESSORIES**

PRO22DCC	Daisy Chain cable required for PRO22ENC1, PRO- 22ENC2 and PRO22ENC5
PRO42PSU120	Rack-mounted power supply for PRO22ENC1, PRO- 22ENC2 and PRO22ENC5. Requires PRO22BAT1
PRO22BAT1	Battery, 7AH 12V

#### **NETWORK KITS**

PRO42E1EN	Includes: PRO22ENC1, PRO42IC, PRO42PSU120, PRO22BAT1 and PRO22DCC
PRO42E2EN	Includes: PRO22ENC2, PRO42IC, PRO42PSU120, PRO22BAT1 and PRO22DCC

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Honeywell

THE TURE ıs

**MAKE IT** 

<sup>\*</sup> Coming soon