



**KEYPADS &
STAND-ALONE
ACCESS
CONTROL**





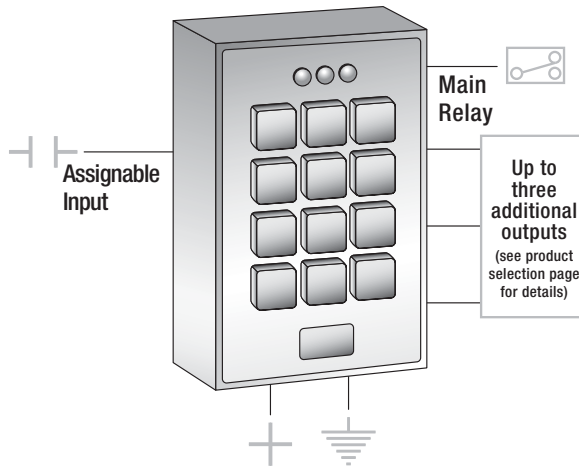
The Doorgard™ line from International Electronics is the recognized leader in keypad systems and technology. IEI offers the most diverse line of keypads available from one manufacturer.

From indoor to outdoor extreme environment to Wiegand output, IEI provides the styles and functionality to meet virtually any application. IEI gives you the added benefit of simple, consistent programming across the entire line – Learn it Once!

Product selection is easy – select the required functionality – single or four outputs, door monitor input, REX input, fixed or fully programmable inputs/outputs or Wiegand. Then select the appropriate style based on the application environment – mullion, outdoor, surface or flush mount to name a few. You decide what keypad is best for the application.

212 SERIES

The 212 Series keypads are designed for basic access control or code control for up to four individual devices (model dependent). These keypads are the perfect choice for controlling electric locks or magnetic locks, security systems, elevator control, gate controls or other types of equipment requiring on/off or momentary control inputs.

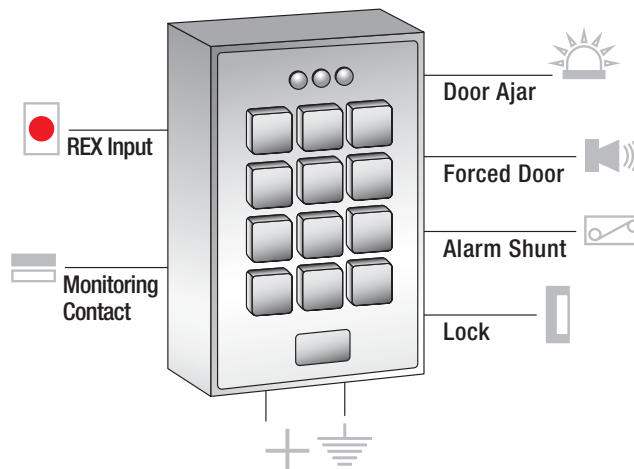


FEATURES

- 120 Users
- Input Trigger for Request to Exit or other open circuit contact
- Up to 4 independent relays outputs (model dependent)
- Each output is assignable by code.
- Keypad programmable

232 SERIES

The 232 Series keypads are designed to meet most residential, commercial and industrial single door access control requirements. Each 232 keypad provides two inputs and four outputs, factory set access control.

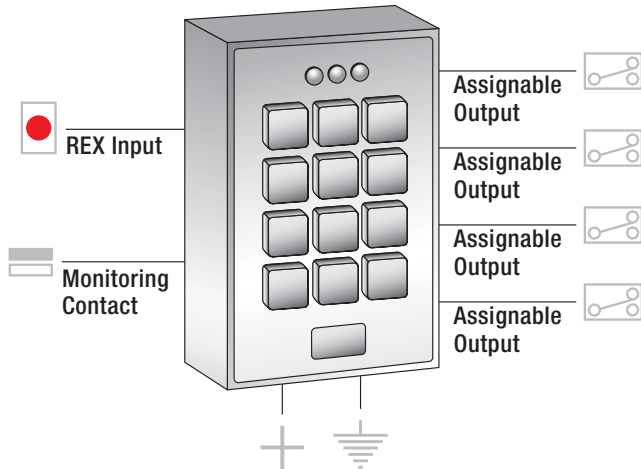


FEATURES

- 120 users
- Requested to Exit Input
- Door Monitoring Input
- Relay Outputs
 - Lock Release
 - Door Forced
 - Door Propped
 - Alarm Shunt
- Keypad programmable

242 SERIES

The 242 Series combines the ease of the 232 Series with the flexibility of the 212 Series. Its four pre-programmed access control outputs can be reconfigured to operate in any combination by code.

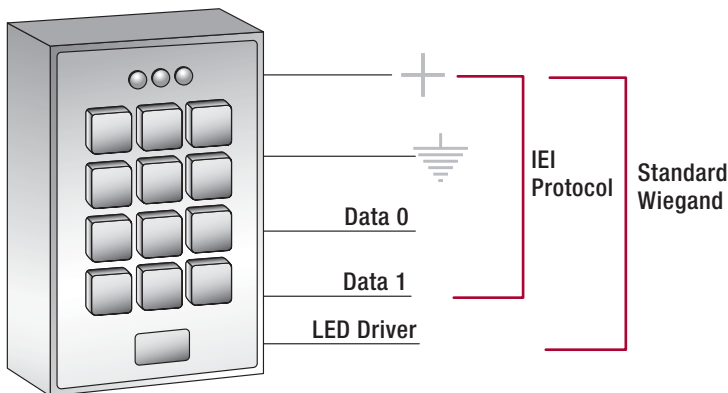


FEATURES

- 120 Users
- Request to exit and Door Monitor inputs
- Four (4) independently programmable outputs
- All outputs assignable by code
- Outputs programmable for latched or timed operation
- Keypad programmable

WIEGAND SERIES

IEI Wiegand Series Keypad offers multiple keypad styles in both IEI IM proprietary reader communication protocol and standard Wiegand communication protocol.



FEATURES

- Works with most manufacturers systems
- 4 wire connection for IEI IM protocol
- 5 wire connection for standard Wiegand protocol
- User configurable to conform to multiple Wiegand formats with even parity
 - KP Series - IEI Proprietary Protocol
 - 272 Series - Wiegand Protocol
 - SSW Series - User Selectable IEI or Wiegand Protocol

IEI SELECTION GUIDE



212i-bs
232i-bs
212i
232i
272i

Flush Mount Indoor Keypad

- Single gang design
- Available in stainless or brass faceplate
- 212 style – 1 SPDT 2 amp relay and three 50mA negative voltage outputs
- 1.70" x 2.60" x 1.125"
- 1.70" x 2.60" x 1.675" (w/293 relay module)
- 10-30 VDC; 12-24 VAC - auto adjusting
- Optional 293 relay board converts 3 voltage outputs to SPDT relays
- Optional printer interface



212e 232e 242e
SSWe

Flush Mount Backlit Keypad

- Single gang design
- Backlit hardened keys
- Sounder
- Weather Resistant
- UL 294 Access Control listed
- Five year warranty
- 212 style – 1 SPDT 2 amp relay
- 4.5" x 2.75" x 0.60"
- 10-30 VDC; 12-24 VAC - auto adjusting



212iL 212iLW
SSW-iLW

Architectural Backlit Keypad

- Flush mount, single gang design
- Backlit hardened keys
- Sounder
- Weather resistant version available – iLW
- Main relay - SPDT, 2 amp
- 3.47" x 5.135" x .71"
- 10-30 VDC; 12-24 VAC - auto adjusting



212iLM-AL 212iLM-BZ
232iLM-AL 232iLM-BZ
SSWiLM-AL SSWiLM-BZ

Mullion Mount Backlit Keypad

- Surface mount - fits on door mullion
- Backlit hardened keys
- Sounder
- Available in Bronze or Aluminum
- Door bell relay
- Weather resistant
- 212 style - 1 SPDT 5 amp relay
- 1.71" x 6.48" x 1.125"
- 12/24 volts AC/DC



212w 232w

Flush Mount Weather Resistant Keypad

- Single gang design
- Audible beep
- 212 style – 1 SPDT 8 amp relay and three 50mA negative voltage outputs
- 1.70" x 2.60" x 1.125"
- 1.70" x 2.60" x 1.675" (w/293 relay module)
- 10-30 VDC; 12-24 VAC - auto adjusting
- Optional printer interface



212eM 242eM
SSW-eM

Flush Mount Durable Metal Keypad

- Single gang design
- Metal Trim & Braille Keys
- Weather resistant
- Sounder
- 212 style – 1 SPDT 2 amp relay
- Five year warranty
- 4.5" x 2.75" x 0.60"
- 10-30 VDC; 12-24 VAC - auto adjusting



232FX
SSW-FX

Harsh Environment Keypad

- Vandal resistant metal case
- Fits single gang box
- Touch sensitive flat keys
- Weatherproof
- No moving parts
- Sounder
- 5.1" x 3.47" x .71"
- 5-12 VDC – Jumper selectable



212r 212r-BK
232r 232r-BK
KP500r-WH
KP500r-BK

Ruggedized Keypad

- Weatherproof, self contained metal housing
- Vandal resistant
- One piece housing suitable for wall, post, or gooseneck mounting
- Durable metal Braille keys
- Available in white or black
- 212 style – 4 on board relays
- 5.25" x 3.75" x 2.5"
- Lighting kit available as an option
- 10-30 VDC; 12-24 VAC - auto adjusting
- Optional printer interface



212SE 232SE
272WP
KP500WP

Sealed Environmental Keypad

- Surface mount - single gang
- 212 style- 4 SPDT relays
- Vandal resistant
- Metal Braille keys
- Weatherproof, self-contained metal housing
- 4.5" x 3.0" x 1.55"
- 10-30 VDC; 12-24 VAC - auto adjusting
- Optional printer interface



212XT 232XT
272XT
KP500XT

Extreme Environment Keypad

- Weatherproof, self-contained metal housing
- Touch sensitive flat keys
- 2.75" x 4.50" x 2.50"
- 12/24 volts AC/DC - jumper selectable

SINGLE DOOR SYSTEMS



Prox.pad

Single Door Keypad/Proximity Reader Access System

- Integrated door control, keypad and reader
- 2000 users / 1000 event audit trail
- Weather resistant
- Compatible with HID proximity cards from 26 to 37 bit
- Glass mount kit Included
- Wiegand output – 26 to 37 bit proximity; 26 bit keypad
- 5.25" x 2.75" x 1.375"
- 12 VDC



234
CR/KP500w

Keypad/Magnetic Stripe Card Reader System

- Fully integrated door control, keypad and reader
- Keypad programming
- Surface mount - double gang size
- Access via keypad, card or both
- Durable metal Braille keys
- Weatherproof metal housing
- Compatible with any ABA standard track 2 encoded magnetic stripe card
- 4.5" x 4.5" x 1.56"
- 12/24 volts AC/DC jumper selectable



233
CR500w

Card Reader System

- Narrow style suitable for door mullions
- Two-piece design with secure electronics
- Weatherproof metal housing
- Compatible with any ABA standard track 2 encoded magnetic stripe card
- Main relay – 8 amp SPDT
- 3 - 1 amp SPDT relays – alarm shunt, forced door, propped door

LS SERIES™ ACCESS CONTROL LOCKSETS



- Grade A Locksets
- Non-volatile eeprom memory allows in-shop programming
- One non-handed unit for indoor and outdoor application
- Wire raceway provides clean installation and protects wires inside door
- Programs the same as all IEL products

- Two stage low battery alert assures entry
- Propped door and forced door alerts when used with a standard magnetic switch
- Request to exit allows door to be unlocked remotely
- Four standard AA batteries provide up to 150,000 operations

LS-1

- Keypad programmable with Master Code
- 120 individual user codes including Master, Supervisor and Emergency

Available in:

- Cylindrical
- Mortise
- Exit
- Mortise w/ Deadbolt

ALARM CONTROL



210

210 Keyswitch Replacement Keypad

- Direct hardware key switch replacement
- 2 User Codes
- SPDT Relay – 2 sec. output
- Keypad programmable
- 12 VDC operation
- 2.75" x 4.5" x 2.5"



240

240 Battery Operated Keyswitch Replacement Keypad

- Direct key switch replacement – no additional wires
- 16 User Codes
- SPDT Relay - 2 sec. output
- Keypad programmable
- 9 Volt battery operated
- 20,000 operations standard



262B

262 Partitioner Intrusion Control Keypad

- Self Contained 2 zone control
- Power/Status/Armed LED's
- E/E Delay - 1-980 sec.
- Relay Output – 10-900 sec.
- Alarm Relay – 1 amp SPDT
- 10-16 VDC – less than 25mA
- Siren Driver built in

INDUSTRIAL MACHINERY CONTROL



PowerKey AC

- Control access/use to power equipment
- "Lockout" unsafe equipment
- Programmable timer – 10-900 sec.
- 99 User Codes
- UL Listed



PowerKey 2600

- Control Operator use of Vehicles
- 3 User Types, 250 Codes
- Audit Trail
- Auto Shutdown input feature
- Keypad Programmable
- Models available for gas/diesel and electric vehicles

ACCESSORIES

Access Systems Power Supplies

The IEL **PowerGard™** Power Supplies are designed and manufactured to meet the demands of access control installations today. Available in cabinet, board level, or plug in configurations, we have the form factor to meet your needs.



PG 1224-1-C 12 or 24 volt DC, 1.3 amp supply in cabinet – no transformer

PG-1224-3-C 12 or 24 volt DC, 2.5 amp supply in cabinet – no transformer



PG 1224-1 12 or 24 volt DC, 1.3 amp supply – board only

PG-1224-3 12 or 24 volt DC, 2.5 amp supply – board only
For your convenience the PG-1224-3 installs onto stand offs in the HubMax™II cabinet.

Tampered Power Supplies

Filtered and regulated 12VDC, 1.2 amp with tamper module to protect against bypass due to circuit shorting. Switchable AC/DC with built in surge suppression for lock hardware, auto resetting poly fuses.



PWR/TMPR12P 12VDC, 1.2 amp supply in cabinet with transformer



PWR/TMPR12 12VDC, 1.2 amp supply – board only



Plug-In Power Supplies

- Transient Protection
- Auto resetting poly fuses
- Grounded
- LED power indicator

PIP 12VDC	12 VDC	1,000, mA
PIP 24VDC	24 VDC	1,000 mA
PIP 12VAC	12 VAC	40 VA
PIP 16.5VAC	16.5 VAC	40 VA
PIP 24VAC	24 VAC	40 VA



CT-70

CT-70 Multi-Function Timer

- Operating voltage: 6VDC or 12VDC
- 1 to 60 seconds or 1 to 30 minutes
- Optional reset switch

- Three operational modes:

Mode 1 - When voltage is applied, the timer relay will energize at the end of time delay until voltage is removed

Mode 2 - The timer relay will energize when voltage is first applied and drop out at the end of time delay

Mode 3 - The timer relay will pulse on and off at a pulse rate set by potentiometer

ACCESSORIES

Boxes & Security Screws



280 281 285 286

- 280 Weatherproof Surface Mount Backbox, cast aluminum, 1/2" EMT nipple plugs supplied, for indoor or outdoor use, gray color, 2.75"w x 4.5"h x 2"d
- 281 Flush Mount Single Gang Backbox for indoor and weather resistant styles. Plastic, w/drywall mounting tabs - screw actuated
- 285 Black polycarbonate back box for e & i style keypads. Four (4) removable wire mold knockouts and neoprene gasket
- 286 Chrome plated polycarbonate back box for e & i style keypads. Four (4) removable wire mold knockouts and neoprene gasket
- 282 Magnetic Contact - Tamper Switch, 6" lead length, double sided tape mounting, 5 Amp contact rating, 2" x .25" x .75"
- 289 Tamperproof Screws (10 psc.)
- 270 Tamper Socket (1/4" drive) for 289 tamper screws
- 288 Tamperproof Screws. Allen with pin (20 psc.)
- 271 Tamper Socket for Allen with pin (1/4" drive)

Relays



283 284 293

- 293 Three Relay Plug-On Board with Form C, 1 Amp relays. Converts transistor outputs to dry contacts
- 284 Leaded Accessory Relay
- 283 Security Module responds to tamper switch (included) and cuts all connections between Door*Gard and the door lock. Wires can't be crossed to unlock door. Must be reset from inside the protected area.

Infrared Printer - IR Print #0291000



- Connection:** Invisible infrared beam links printer and prox.pad
- Paper:** Prints black, 2.25 in. x 80 ft. per roll (included)
- Power:** Four AA alkaline batteries (included) or optional AC adapter

Cards & Tokens



- ProxCardII ProxCard II (lots of 25 only) Cards for ProxPoint Readers
- ISOProx ISOProx Card (lots of 25 only) Cards for ProxPoint Readers
- DuoProx DuoProx Card (lots of 25 only) Cards for ProxPoint Readers
- ProxKey ProxKey Key Fob (lots of 25 only) Key Fob for ProxPoint Readers
- MagCrd-25 Magnetic Striped Cards - 25 Pack
- MagCrd-100 Magnetic Striped Cards - 100 Pack
- MagHico-25 High Coercivity Magnetic Striped Cards - 25 Pack
- MagHicod-100 High Coercivity Magnetic Striped Cards - 100 Pack

Request to Exit



- Virtually infinite lifetime - switch life greater than 20,000,000 operations
- Totally weatherproof
- Solid state/No moving parts
- No mounting box required
- Operating force: 6 to 12 oz.

Ruggedized Lighting Kit



Lighting kit for use with R Style keypads

R-Lighting

International Electronics, Inc. (IEI) designs, manufactures and markets electronic access control products for the security, material handling and industrial markets. IEI's products include Keypad and Stand Alone Systems, Access Control Locksets, Network Based Access Control, Browser Managed Access Control, Mobile Fleet Access Control and Fleet Management Systems. It markets these products to the leading industry distribution, installation and vertical end-user companies in the U.S., as well as Europe, Asia, Canada, South America and Australia.



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