

Stand Alone Access Control

2000 Series Multi-Function Access Control Keypads

OVERVIEW:

The 2000 Series access control keypads combine all of IEI's functionality groups into one powerful platform. The 2000 Series access control keypads manage up to 500 users and provide complete access control functionality including monitoring door position; controlling locking hardware; triggering a propped or forced door alert or alarm shunt output. The 2000 Series outputs can be expanded using the output expansion module [p/n 2000-8EX] that provides 8 additional Form C outputs for a total of 10 outputs.

Users can select between two modes of functionality with the e Style 2000 Series keypad. It can operate as a keypad front end to IEI access systems and most Wiegand access system controllers, or as a stand alone access control device.

All operation mode changes are made in the field by programming the desired functionality from the keypad. No separate programmer is required to achieve this unique product flexibility.

The 2000 Series offers expanded user types beyond any other access control keypad solution on the market place. The available user types are the following: Toggle, Standard, Lockout, Single use, Emergency, Duress and Two-Part users. possible.



*e-Style
illuminated keypad*



*eM-Style
Braille metal keys & trim*

PRODUCT HIGHLIGHTS:

- Multiple operation modes; Stand-alone, device control, access control with door position monitoring and Wiegand or IEI protocol reader.
- Widest array of user types including; single use, lockout and two-part.
- Features Auto Voltage Sensing (AVS) a unique IEI power feature that does not require any adjustments for the different input voltages. The 2000 series recognizes the voltage and adjusts automatically.
- Up to 10 Form C relay outputs with the optional 2000-8EX output expansion module.

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FEATURE SUMMARY:

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| <ul style="list-style-type: none">• 500 users• Uniform IEL programming & wiring• Illuminate backlit keys• Door position input• Request to Exit• 2 form C SPDT relay outputs - default for access control function• Optional expansion relay module (2000-8EX) – 8 additional outputs for elevator and other applications.• Sounder for key press and alert conditions• All outputs can be programmed to trigger independently | <ul style="list-style-type: none">• Door bell feature• Option for Secure installation with control electronics in protected area• Widest array of user type options including single use and two part rule• 10-30 VDC and 12-24 VAC “AVA” [auto-voltage-adjust] operation• Over-voltage protection for reliable operation• Programmable Wiegand formats• Supports 8-bit burst mode• Works with all IEL access systems |
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SPECIFICATIONS:

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| <ul style="list-style-type: none">• Power Requirements<ul style="list-style-type: none">• Voltage: 12-24VDC/AC• Current draw: 140mA (max) @ 24 VDC• Inputs<ul style="list-style-type: none">• Door position monitor - Normally closed dry contact• Request to exit (REX) - Normally open dry contact• Outputs<ul style="list-style-type: none">• Relay contact: 2A @ 30 VAC/DC (Main & Aux)• Capacities<ul style="list-style-type: none">• users: 500• events: n/a | <ul style="list-style-type: none">• Mechanical<ul style="list-style-type: none">• Dimensions: 4.5”H x 2.75”W x 0.60”D• Wiegand format<ul style="list-style-type: none">• 26 - 40 bit• Environmental<ul style="list-style-type: none">• Indoor/Outdoor• -30°F to 151°F [-35°C] to [66°C]• Communication<ul style="list-style-type: none">• Wiegand or IEL front end reader protocol |
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BENEFITS:

1. The large number of outputs allows for unique installations including elevator control.
2. If system needs change, the keypad does not need to be replaced. Simply add it to a larger scale access system as a reader.
3. The two style choices (e & eM) will fulfill most any application.
4. The field configurable operation modes, make sure that application needs are met.

RECOMMENDED ACCESSORIES:

**2000-8EX****PWRTMPR-12****285 (Black) & 268 (Chrome)
surface mount back boxes****Pips**

- 2000-8EX - 8 output relay expansion module
- PWRTMPR-12 - a filtered & regulated tamper proof 12VDC/16VAC 1 amp board power supply
- 285 (Black) & 268 (Chrome) surface mount back boxes.
- Pip12VDC – 12VDC 1 amp plug in transient protected transformer.
- Pip 24VDC – 24VDC 1 amp plug in transient protected transformer.
- Pip 12VAC – 12VAC 40VA plug in transient protected transformer.
- Pip 16.5VAC – 12VAC 40VA plug in transient protected transformer.
- Pip 24VAC – 24VAC 40VA plug in transient protected transformer.

Note: For a complete list of system features and functionality, please visit ieib.com

ORDERING INFORMATION:

Marketing #	Description
2000e	2000 series e style access control keypad. Indoor/outdoor flush mount design. Single gang. 500 users. Features illuminated backlit keys and sounder. Two on-board output relays – programmable. Door monitor input and REX input. Keypad program. Stand alone mode Wiegand output mode and IEI Secured Series output mode selectable. 10-30 VDC; 12-25VAC. 5 year warranty.
2000eM	2000 series eM style access control keypad. Indoor/outdoor flush mount design. Single gang. 500 users. Durable metal trim. Features heavy duty metal keys with Braille and sounder. Two on-board output relays – programmable. Door monitor input and REX input. Keypad program. Stand alone mode Wiegand output mode and IEI Secured Series output mode selectable. 10-30 VDC; 12-24VAC. 5 year warranty
2000-8EX	Output expansion module for 2000 series keypads-adds 8 control relay outputs to 2000 series access control keypads. Receives power from and installs remotely from the keypad in double gang box or attaches to double gang plate. Requires 6 conductor shielded cable for interconnect. Includes power LED and individual LEDs indicating status of each of the 8 relay outputs.
285	Surface Mount, Single Gang backbox - Black - for i & e style keypads. Single lot
286	Surface Mount, Single Gang backbox; Chrome plated for i & e style keypads. Single lot
PWRTMPR12	Access Control Power Supply with Tamper Module - board level Provides filtered and regulated 1 amp, 12 volt power. Switch selectable AC/DC. Built-in suppression for locking mechanism.
PIP12VDC	PIP: Plug-in-Power Supply 12VDC - Auto Resetting Poly Fuse)
PIP24VDC	PIP: Plug-in-Power Supply 24VDC - Auto Resetting Poly Fuse
PIP12VAC	PIP: Plug-in-Power Supply 12VAC - Auto Resetting Poly Fuse
PIP16VAC	PIP: Plug-in-Power Supply 16.5VAC - Auto Resetting Poly Fuse
PIP24VAC	PIP: Plug-in-Power Supply 24VAC - Auto Resetting Poly Fuse

