



8160 KEYPAD ACCESS CONTROL

**Stand Alone Single
Door Access
Control**

**Weatherproof
Vandal Resistant**

**Up To 200 User
Codes Available**

**Programmable
Unlock Time**

**Visual & Audible
User Feedback**



Stand Alone Access Control

The 8160 series Keypad Access Control will provide a cost effective solution for control of independent doors and gates. All programming is accomplished from the keypad without need of any programming hardware or software.

Interior or Exterior Applications

These rugged digital keypads can be used in protected areas or in unforgiving environments to provide authorized access through secured doors and gates. All of the units are IP68 Rated suitable for weatherproof applications, or interior installations. Two models are available to suit any need including narrow door-frame applications. The single gang style keypads can be surface mounted to any 1 gang electrical box, flat wall or square fence post. Anti tamper security mounting screw plugs protect the unit from removal and vandalism.

Environmentally Sealed

All electronics are sealed in epoxy and protected by the solid metal keypad housing. All of the units are IP68 Rated for outdoor environments. Lock control circuitry, is safely protected from vandals.

200 Active Unique User Codes

User codes may be four to eight digits long, allowing millions of possible code numbers to be programmed for the authorized access. Active user codes can be changed or deleted easily from the digital keypad.

Heavy Duty Relay Output

The main controlled output is a 2 amp form C relay. This is used to activate the electric lock and can be toggled on/off or set for a time delayed unlock period. The factory default is a Normally Open configuration which can be changed to Normally Closed via the keypad.

Keypad Feedback

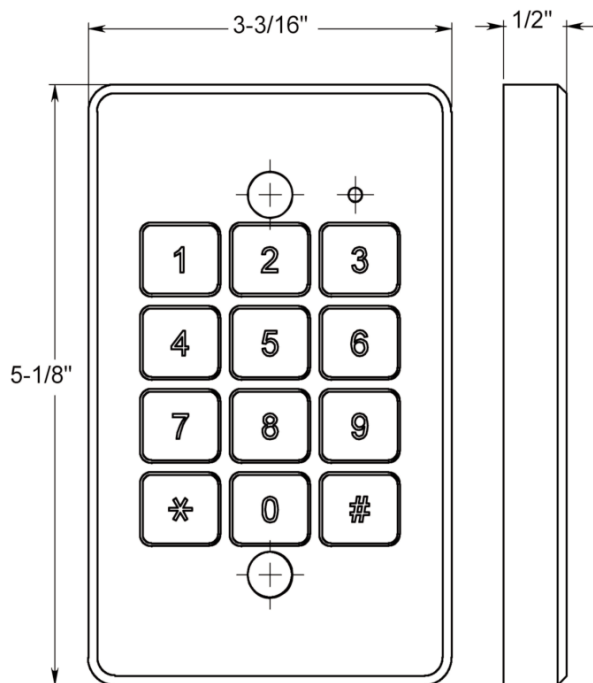
LED illumination and momentary activation of the onboard Piezo sounder acknowledge keypad interactions. Authorized door open time can be programmed for any duration from 1 to 99 seconds. The Rugged Touch Activated Keys are able to operate through gloves or with a stylus, tools etc.



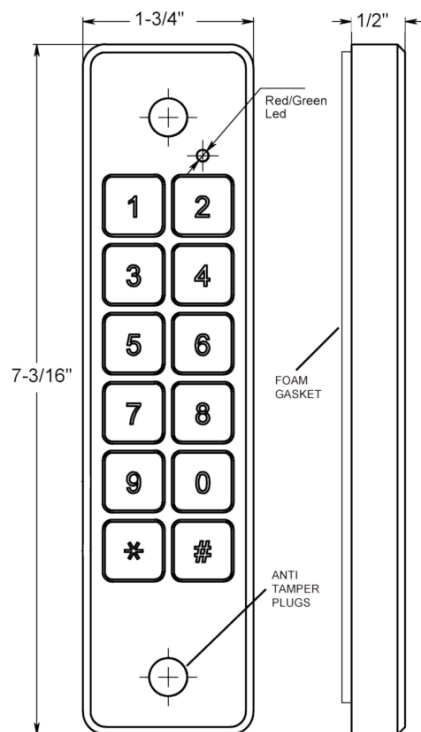
**DORTRONICS
SYSTEMS, INC.**

8160 SERIES HEAVY DUTY VANDAL PROOF KEYPADS

8160xINT SINGLE GANG KEYPAD



8160xNSxINT NARROW KEYPAD



Specifications:

#8160xINT - Single gang unit with SPDT relay output & 1 N.O. Rex input

Overall Dimensions.
3-3/16"W x 5-1/8"L x 1/2" Thick
Gasketed Aluminum housing

#8160xNSxINT - Narrow Style Integrated unit with SPDT relay output & 1 N.O. Rex input

Overall Dimensions.
1-3/4"W x 7-3/16"L x 1/2" Thick
Gasketed Aluminum housing

Electrical Requirements

12/24 VDC OR AC
Multiconductor cable 48" long

Outputs

Relay - Form C, 2 amp Dry Contact

Environmental

-40 to + 200 degrees Fahrenheit

Keypad System Styles

#8160 - Ruggedized heavy-duty keypad with weatherproof metal housing, suitable for wall, post, or gooseneck stand Single gang mounting. Sealed housing is vandal resistant, with twelve touch sensitive flush style keys.

LED indicator (red/green) provides visual feedback to the user. Audible feedback is provided via an encapsulated Piezo sounder. A multiconductor cable is provided for wiring connections.

#8160xNS - Narrow Surface Mount design. Typically mounted onto a narrow style doorframe. Operates Same as above.

Typical Operation

Programming is accomplished entirely from the front of the keypad. The LED and sounder guide the authorized user through the programming steps. Codes can be changed in a matter of minutes. Factory defaults are designed to allow for an easy installation in a minimum amount of time. Defaults include a Master Code, User Code, 5 second relay time delay period, and Normally Open lock relay. A normally open request to exit device connected to the remote triggering input will cause the door to unlock for the time period programmed for the relay output. The Lock relay can be programmed via the keypad to operate as Normally Closed if required.



DORTRONICS SYSTEMS, INC.

1668 Sag Harbor Tpke., Sag Harbor, NY 11963 (800) 906-0137 (631) 725-8148 Fax www.dortronics.com