



# 8112 SERIES DIGITAL KEYPADS

**Stand Alone  
Access Control**

**Front panel  
Programming**

**120 User Codes**

**4 Independent  
Outputs**

**4 Programmable  
Time Delays**



#### **Stand Alone Access Control**

The 8112 series keypad Control System will provide a cost effective solution for control of independent doors and gates. All programming is accomplished from the front panel without need of a separate programmer.

#### **Non-Volatile Memory**

Programming is maintained in non volatile EEPROM memory to maintain codes and instructions without power.

#### **120 Unique Codes**

This keypad control system will allow up to 120 valid user codes. Codes from one to six digits long may be enabled and disabled from the front keypad.

#### **Heavy Duty Relay Output**

The main controlled output is a 6 amp form C relay rated with a 10 amp surge capacity. This main relay can be set from 0 -255 seconds (4 minutes, 15 seconds)

#### **Auxiliary Outputs**

Three additional outputs can be individually timed or act as toggle switches. These may be triggered individually or in combination by code.

#### **Remote Activation Input**

This normally open input can be programmed to activate any combination of outputs. Upon a momentary closure of this input, the selected outputs will energize for their programmed time. This input is normally used to connect a request to exit device.

#### **Keypad Feedback**

Keypad interactions are acknowledged by LED illumination and audible feedback when keys are depressed. A keypad can be programmed to cause the activation of an output to turn on a light or camera.

#### **Interior & Exterior Applications**

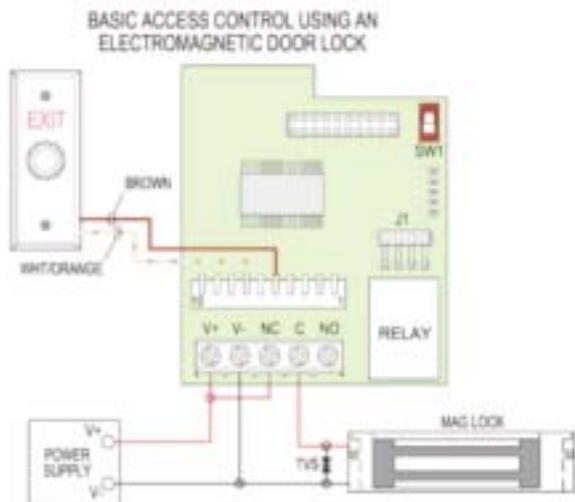
The 8112 is for interior use only. It mounts to a single gang back box and has 12 individual keys.

The 8112-WR is a weather resistant unit with a membrane overlay to protect the unit from moisture. Although the 8112-WR is weather resistant it is not weather proof. The use of a plexiglass cover # 5210/COV is recommended for applications where direct exposure to the elements is unavoidable.

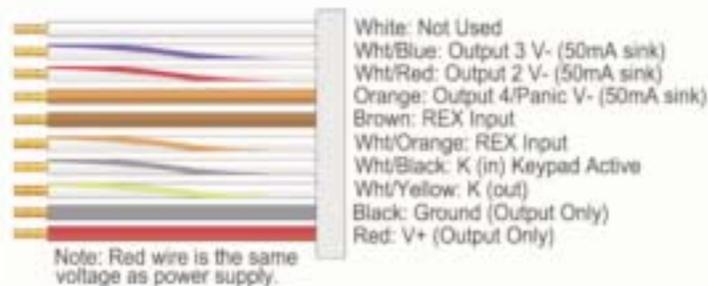
For extreme conditions also see our 8160 Series Heavy duty Vandal proof line of Keypads

# 8112 SERIES DIGITAL KEY PADS

## ELECTROMAGNETIC DOOR LOCK HOOKUP



### 8112 Wire Harness



### 8112 Specifications

#### MECHANICAL:

BOARD DIMENSIONS:  
1.80"W x 2.555"H x 1.125"D

#### ELECTRICAL:

VOLTAGE:  
12-24 Volts DC (No Jumper Required)

CURRENT:  
8mA@12VDC typical;  
35ma with relay energized.  
16mA@24VDC typical;  
45ma with relay energized.

#### OUTPUTS:

Main Relay: 5 Amp, Form C @ 24VDC with 10 Amp surge.  
Outputs 2, 3, and 4 are 50mA negative voltage outputs

#### ENVIRONMENTAL:

TEMPERATURE:  
-20°F TO 130°F (-28°C TO 54°C)  
Weather Resistant

### Keypad Styles

**8112** - Flush mount indoor design. Typically flush mounted onto a standard single gang box. Keypad has twelve individual keys and is bordered by a stainless steel single gang mounting plate. Three LEDs (red, yellow & green) provide visual feedback to the user. An on board audible also confirms key actuation. The Keypad control board circuitry is mounted to the back of the keypad as a self contained unit.

**8112WR** - Weather Resistant keypad suitable for exterior applications. This unit utilizes a pressure sensitive membrane overlay as the Keypad interface. This unit mounts to a single gang flush mount or weatherproof surface mount back box. The 8112WR is supplied with a neoprene gasket to prevent moisture from penetrating into the back box. Although the 8112-WR is weather resistant it is not weather proof. The use of a plexiglass cover # 5210/COV is recommended for applications where direct exposure to the elements is unavoidable. For extreme conditions also see our 8160 Series Heavy duty Keypads

### Typical operation

Programming is accomplished entirely from the front of the Keypad. The LEDs and sounder guide the authorized user through the programming steps. Codes can be changed easily at any time by entering the appropriate master code established by authorized personnel.

Factory defaults are designed to allow for an easy installation in a minimum of time. Defaults include a Master code, Main relay time delay period, and delay times for Auxiliary outputs.

The 12 or 24 volt DC power supply being utilized for an electric lock may also be used to power the 8112 Keypad. A normally open Request To Exit device, such as a push button switch or key switch, will cause the door to unlock for the same time delay period programmed for the main relay output.