



Easikey 1000/1000 Plus

Door Controller Specification Sheet

Standard Features

- Controls access to two doors
- Assign up to 1000 keys or Cards
- Compatible with Easikey, Readykey, and Wiegand Compatible ID Devices
- Built-in Administrator Interface
- Assign Time Profiles to Users and Doors
- Optional anti-passback and door interlocking features
- Stores up to 1000 transactions
- Includes Request to exit feature
- Built-in printer port attaches to an optional serial printer
- Use 12 VDC, 24 VDC, or 16.5 VAC for power
- Five Year Limited Warranty

Description

The Easikey 1000 is a two door access control system using Radionics' Easikey/Readykey proximity key/card technology. The complete system includes a EK1000 with a numeric keypad and display, one or two readers located at the controlled doors and a number of Easikey electronic keys or cards.

System Readers

The Easikey 1000 controls one or two doors, each of which may be up to 300ft/100m away from the controller. You may install the following types of readers with the EK1000.

- Easikey proximity readers
- Readykey proximity readers
- Readykey PIN readers
- Wiegand 26-bit reader with an Easikey EK12 Wiegand Interface

The EK1000 also provides an input for Request to Exit switches, allowing users to exit through a lock-controlled door from the secured side.



Lock Outputs

The Easikey 1000 door controller supplies 12 VDC at 1 Amp, per lock output, for powering either fail-safe (power to lock) or fail-secure (power unlock) locks.

Personnel Users

The EK1000 can store up to 1000 individual users in its memory. The system administrator can cause the EK1000 to allow each key/card to enter through both doors, either door, or neither door. The system administrator can assign each user a Time Profile to restrict access to certain days and times.

Time Profiles

The system administrator can create up to eight Time Profiles; each containing up to three Time Periods. The administrator can assign Time Profiles to doors and users. For example, the administrator can program the door to open between 9:00 a.m. and 5:00 p.m., Monday through Friday, but require users to present a key/card all other days and times. Similarly, the administrator can assign a Time Profile to a user's key/card that only allows the user to use the key/card on certain days and at certain times.

Door Monitoring Alarms (Easikey 1000 Plus Only)

Easikey 1000 Plus systems can monitor door contact switches. This enables Easikey 1000 Plus systems to generate the following types of alarms:

- **Unauthorized Access Alarms**
The EK1000 creates this alarm when someone opens a door without using a valid key/card, or without activating the Request to Exit device.
- **Door Left Open Warnings**
The EK1000 creates this condition when something causes the door to stay open longer than the time programmed in the Door Open Time option.

Printer Facilities

The Easikey 1000 has a built-in printer interface. If you connect a printer to the EK1000, the system can print each event as it happens, or store up to 1000 events for printing on demand. The system can print database information including users, Time Profiles and door information, and the movements of individual users in selected reports.

System Operation

The system operates when a user presents an Easikey key/card to an Easikey door reader. The key or card transfers its unique ID number to the reader. The reader transfers the key's or card's ID number to the EK1000 door controller. When the EK1000

System Operation (Cont'd)

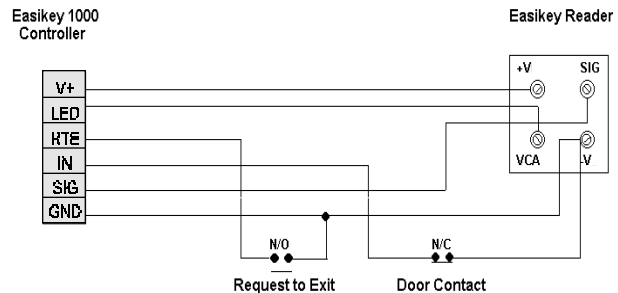
receives the serial number, it checks the following items before allowing access to the secured area:

1. Is the key/card's ID number one that has been stored into the EK1000's database?
2. Is the user assigned to this key/card allowed through this door?
3. Is the user assigned to this key/card allowed to enter through this door at this time and on this day?

If the answer to all three questions is "Yes", the EK1000 will enable its lock output used to activate an electric locking mechanism for a programmed number of seconds, allowing the key/card holder to pass through the door.

Simple Eight-Wire Connection

Use a six-wire cable to install all connections to the door. You can route the wire up to 300ft/ 100m between the EK1000 and the door. Use two additional wires for the electric lock connections.



Specifications

Input Power: 12 VDC, 24 VDC, or 16.5 VAC

Reader Output: 12-18 VDC

Lock Output: 12 VDC @ 1 Amp

- **Operating Temperature:**
32° - 122° F
- @ 85% Relative Humidity



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