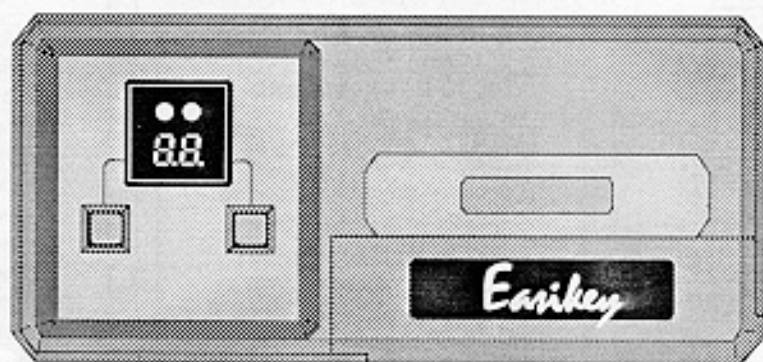# *Easikey* Access Control System Specifications

Major Features

√ Up to 99 users.
√ Easikey electronic key is backed by a lifetime warranty.
√ Reader use is touch-free, for user convenience.
√ Vandal resistant reader, made of tough stainless steel, is nearly impossible to harm.
√ Put the door controller anywhere convenient—up to 300 feet from the reader.
√ Add or delete electronic keys in seconds.
√ No key code can ever be duplicated. Not ever.

√ Easikey electronic key fits on key ring.
√ Electronic key can be instructed to work doors at different Easikey sites across the globe.
√ Use Easikey electronic key to arm/disarm the alarm system.
√ Controller can give you a quick review of the last five users.
√ Use unshielded 4-conductor cable, indoors or outside.
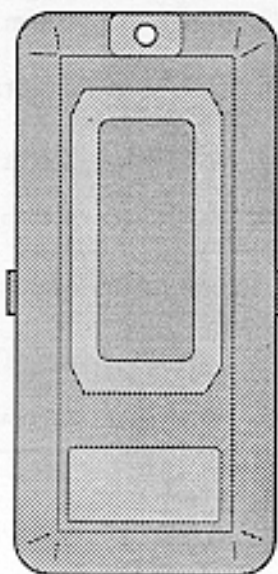√ Handles one or two points of entry.

EK10 Door Controller

System Description

The Easikey EK10 Door Controller is capable of controlling two readers with up to 99 users, including up to three master keys. Each key can be assigned to up to three access levels, to open Door 1, Door 2, or both doors. Hold-door-open time can be set for up to 48 seconds. Two lock modes (fail-safe and fail-secure) are available. Reader 1 can be used as an on/off switch for lights or other devices.

EK71 Electronic Keys are uniquely programmed during manufacturing with a multi-character code, randomly selected from 68 billion possible combinations, ensuring total integrity. The coding method ensures the uniqueness of each key and thus eliminates the need for system or site coding.

EK15 Mullion Reader

Application

The Easikey EK15 Mullion Reader is designed for general-purpose use. Because it is weatherproof, it is suitable for interior or exterior use. It is typically mounted upright on a door frame.

General Description

The Easikey Mullion Reader housing is black polycarbonate plastic with a black back-plate. The front of the reader clips onto the secured back-plate. Screw terminals at the back of the reader connect to the Easikey Controller.

Once installed, the green light-emitting diode (LED) will light up when a valid electronic key is held near the reader. The LED will remain lit for the duration that has been set at the controller.
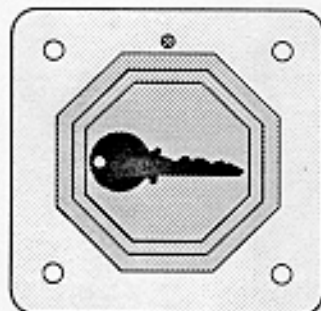
Easikey Vandal Resistant Reader (EK 20)

Application

The Easikey EK20 Vandal Resistant Reader is designed for use in places where high resistance to abuse is required.

General Description

The Easikey Vandal Resistant Reader housing is stainless steel. The assembly is filled with a hard epoxy resin.

A green LED lights up when an authorized electronic key is held near the reader. Performance of the reader is not affected by the material on which the reader is mounted.
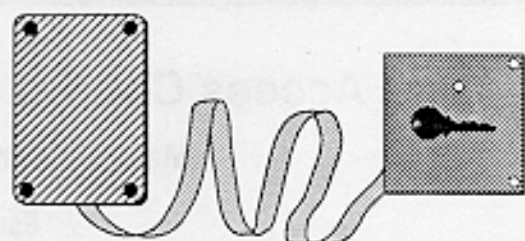

EK 20 Vandal Resistant Reader

System components

- Easikey Mullion Reader (EK 15)
- Easikey Vandal Resistant Reader (EK20)
- Easikey Door Panel Reader (EK 25)
- Easikey Electronic Keys, Each (EK 71)
- Easikey DoorPak (EK 80) includes 1 door controller, 1 mullion reader, and 3 electronic keys.
- Easikey Vandal DoorPak (EK 90) includes 1 door controller, 1 vandal resistant reader, and 3 electronic keys.

Door Panel Reader (EK 25)

Application

The Easikey EK25 Door Panel Reader is designed to mount easily into panels used for door entry systems typically made of metal or other firm material. The reader is built to withstand serious abuse.

General Description

In order to permit easy mounting on a panel, the Easikey-

Door Panel Reader electronics are mounted separate from the Lexan faceplate, connected by a 20-inch cable. The reader on the panel includes an easily recognized key symbol. When an authorized electronic key is held near the key symbol, a green LED lights up.

Dimensions

EK 10 Door Controller

Length	Height	Depth
7–3/4"	3–1/2"	1"
197mm	89mm	25mm

EK 15 Mullion Reader

Length	Height	Depth
1–1/2"	3–1/4"	1/2"
38mm	83mm	13mm

EK 20 Vandal Resistant Reader

Length	Height	Depth
4"	4"	1/2"
102mm	102mm	13mm

EK 25 Door Panel Reader: External Face

Length	Height	Depth
1–1/2"	1–1/2"	3/32"
38mm	38mm	2.4mm

EK 25 Door Panel Reader: Internal Mounting

Length	Height	Depth
2–1/4"	2–1/4"	3/8"
57mm	57mm	9.5mm

Technical Data

Power requirements
Controller: 12V nominal AC or DC.
Option 1: Single 12VAC (@16VA) supply and 1 Amp lock release.
Option 2: 12VDC, 1.3 Amp power supply for controller, reader(s), and DC lock release.
Option 3: 12VDC, 1.3 Amp power supply for controller and readers with separate power supply for lock.

Cabling
Controller to reader:
Four-conductor 22 AWG unshielded, maximum 300 ft.

Read Range
Standard reader 0-1 inch, 0-25mm.
Vandal Resistant Reader 0-5/16 inch, 0-8 mm.
Door Panel Reader 0-5/16 inch, 0-8 mm.

Environment
Controller: 32° F. to 122° F., 0° C. to +50° C., 0% to 90% R.H.
Reader: +5° F. to 140° F., −15° C. to +60° C., sealed construction.