READYKEY™ K2001-P PIN Reader

Operation and Installation Instructions

Before You Begin

Before installing the K2001-P PIN Reader, you should be familiar with the *K2000-AM/ K2000-N Installation Manual* (74-05874-000).

Description

The K2001-P PIN Reader can be used in place of the K2001 or K2002 Readers on the K2000-AM or K2000-N Door Controllers. The K2001-P PIN Reader is constructed of heavy gauge steel and adds the extra security of a specific Personal Identification Number (PIN) for each user. It has a one to two inch read range.

The K2001-P PIN reader is of particular use in high security applications and is suitable for both internal and external use, accepting both the K2010 Electronic Key and the K2011 Electronic Card.

Operation

To gain access through a door, present a valid electronic key to the built in reader, then enter your PIN. If the PIN you enter matches the assigned number in the reader, you are allowed access through the door, if the programmed Access Code in the door controller allows it. You are allowed five attempts to enter the correct PIN. After five attempts you are locked out and cannot use your key again at that reader until another key is used to gain access.

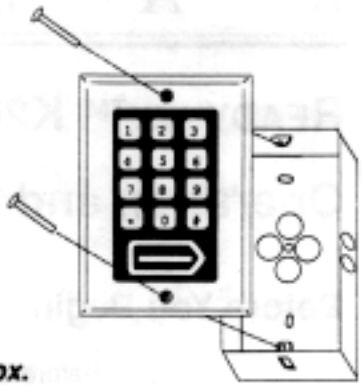
The normally red LED flashes green as you present your key, prompting you to enter your PIN. The LED remains green when you are allowed access. The reader emits a tone each time you press a key after you have presented your key. If you are not allowed access, the LED remains red.

Installation

Installation Considerations

- The K2001-P PIN Reader conduit backbox is designed to be installed during rough-in
- Install the reader according to applicable codes
- Install the reader at a height where you can easily read the numbers on the keypad
- Install the reader where there is enough light to be able to read the numbers on the keypad at night
- Do not install the reader close to heavy load switching cables and equipment

Mounting the Reader



The K2001-P PIN Reader is supplied with a conduit backbox and the tamper resistant screws and screwdriver needed for mounting it.

Cut a hole 5.3" high x 2.8" wide in the finished wall. Do not leave any space between the edge of the hole in the finished wall and the sides of the backbox. The overhang of the faceplate is only $^1/_8$" allowing very little room for error in the cut. The wall space must be deep enough to accomodate the backbox and right angle conduit connector.

Only use the conduit knockouts on the back of the box. Conduit cannot be mounted to the side of the backbox because of the depth of the backbox and the size of the reader components.

Attach the box to a wall stud with the front edge of the box $^1/_8$" back from the finished wall.

Mounting the Reader Outdoors

- Use a silicone rubber sealant compound around the top edge of the reader to make sure the unit is watertight.
- Make sure that suitable drainage holes are provided at the bottom of the back box to ensure that any water that might get in is not allowed to build up.

Wiring

For wiring connections see *Reader Wiring* in the *K2000-AM/K2000-N Installation Manual* (74-05874-000).

Specifications

Dimensions:	Backbox: **5.3" H x 2.8" W x 1.5" D** Reader: **5.7" H x 4.0" W**
Read Range:	1-2 inches
Operating Voltage:	12-18V (supplied by door controller)
Operating Current:	90 mA
Cable:	4-wire, 7 strand, 18 AWG, 3,000 ft.
Keypad:	10-digit membrane with target for presenting the electronic key.
LED:	Normally red, flashing momentarily to green showing electronic key acceptance, and prompting the user to enter a PIN. Continuous green on correct PIN entry and acceptance by door controller.
Audible Tone:	Tone sounds with each key press after key is accepted.
Environmental:	Temperature: -113°F to 122°F (-45°C to 50°C) Relative Humidity: 0 to 90% non-condensing

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