READYKEY K2001-P   PIN Reader

Specifications

Features

- Uses a 4-digit Personal Identification Number
- PIN and electronic key required for access
- LED access indicator
- Highly reliable
- Vandal resistant
- Heavy gauge steel construction
- No special hardware or wiring required
- Mounting box, screws, and screwdriver provided
- Suitable for interior and exterior use
- UL 294 listed

Description

The Readykey K2001-P is a highly reliable, stand alone access control reader. The K2001-P requires the user to present a valid electronic key then enter a Personal Identification Number (PIN) to gain access to a protected area. The PIN is unique to the user and is entered through the K2001-P's membrane keypad.

The K2001-P is suitable for interior or exterior applications and accepts both the K2010 Electronic Key and K2011 Electronic Card.

The K2001-P can be used in place of the K2001 or K2002 Readers on the Readykey K2000, K2100 and K2200 Series Door Controllers.

The K2001-P has 1 in. to 2 in. (2.5 cm to 5.1 cm) read range and requires only a 4-wire cable from the door controller.

A steel conduit backbox, tamper resistant screws, and screwdriver are provided with the K2001-P.

Application

You can use the K2001-P PIN Reader to control access through interior or exterior pedestrian doors, or into protected or storage areas. The K2001-P is ideally suited for protecting unattended areas where there may be repeated attempts to enter an unauthorized PIN. After five failed attempts to enter the correct PIN, the electronic key is locked out.

Operation

To gain access, present a valid electronic key to K2001-P's built-in reader, then enter your Personal Identification Number. If the PIN is correct, and the door controller Access Code is programmed, access is allowed. Five attempts are allowed to enter the correct PIN. After five attempts, the K2001-P no longer accepts the electronic key until an electronic key from another user is accepted at that reader.

When the electronic key is accepted, the red LED flashes green prompting a PIN to be entered. The reader emits a tone anunciating each keypress when a PIN is entered. The LED momentarily turns to a steady green when access is granted. If electronic key is not accepted by the K2001-P, the LED remains red.

Installation

You can install the K2001-P outside in unprotected locations by providing a watertight seal around the inside outer edge of the unit using a silicone rubber sealant compound. Drainage holes should be made in the bottom of the backbox before installing to allow any rainwater or moisture to drain.

Mount the K2001-P at a height that allows the average user to easily enter their PIN. Consider the available lighting at any hour of the day when selecting a mounting location. Avoid locations that are dark at night or in direct sunlight during the day.

Radionics recommends checking with the Authority Having Jurisdiction for any local height or distance requirements.

The K2001-P Reader is typically not prone to Electromechanical Interference but you should avoid locating the reader or its wiring near any sources such as generators or high power radio equipment.

radionics

Specifications

The contractors shall furnish and install the Radionics K2001-P PIN Reader where indicated on the plans. The K2001-P shall provide a 10-digit membrane keypad for entering Personal Identification Numbers and a visual target for electronic key presentation.

The K2001-P shall be suitable for interior and exterior applications. Exterior locations require the addition of waterproof sealant behind the unit. Mounting locations shall be well lit at all hours of the day, out of direct sunlight, and meet the requirements of the Authority Having Jurisdiction.

A backbox and tamper resistant hardware shall be provided with the K2001-P.

Electrical Specifications

Operating Voltage	12 – 18 VDC Supplied by door controller
Operating Current	120 mA
Relative Humidity	0 to 85% for UL applications 0 to 90% non-condensing
Temperature	-49°F to +122°F (-45°C to +50°C) -31°F to +140°F (-35°C to +60°C) for UL 294 applications
Wiring Distance	18 AWG (1.2 mm) 4-wire, 7 strand – up to 3000 ft. (914 m)
Keypad	10-digit membrane with visual target area for electronic key presentation
LED	Red LED turns to green when access is granted to the user Flashing green LED indicates a PIN should be entered
Read Range	1 in. – 2 in. (2.5 cm – 5.1 cm)
Backbox Dimensions (H x W x D)	5.3 in. x 2.8 in. x 1.5 in. (13.5 cm x 7.1 cm x 3.8 cm)
Reader Dimensions (H x W x D)	5.7 in. x 4 in. (14.5 cm x 10 cm)

Ordering Information

Model	Description
K2001-P	PIN Reader

Wiring

The K2001-P requires a 4-wire cable from the door controller. You can route the cable through the appropriate knockouts on the backbox and make the connections directly to the reader. Use the descriptions below to connect the cable.

K2001-P Terminal	From Door Controller
+V	Positive 18 VDC
VCA	Valid Code Accept LED
SIG	Reader Signal
-V	Ground

© 2001 Radionics, a division of Detection Systems, Inc.
PO Box 80012, Salinas, CA 93912-0012 USA
Customer Service: (800) 538-5807

P/N: 75-06729-000-D   04/01
Specification Sheet   K2001-P
L1117   Page 2 of 2