R A D I O N I C S

Readykey® K2001-P PIN Reader
Specification Sheet

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 into 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.

You can use the K2001-P in place of the K2001 or K2002 Readers on the Readykey® K2000-AM or K2000-N Door Controllers.

The K2001-P has 1 to 2 inch 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.

Applications

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, you are allowed access. You are allowed 5 attempts to enter the correct PIN. After 5 attempts, the K2001-P no longer accepts the electronic key until an electronic key from another user is accepted at that reader.

As you present your electronic key, the red LED turns to a flashing green prompting you to enter your PIN. A tone is emitted from the reader for each number you press when entering your PIN. The LED momentarily turns to a steady green when you are allowed access. If your electronic key is not accepted by the K2001-P, the LED remains red.

Ordering Information

Model	Description
K2001-P	PIN Reader

Electrical Specifications

Operating Voltage	12-18 VDC Supplied by door controller
Operating Current	120mA
Relative Humidity	0 to 85% for UL listed applications 0 to 90% non-condensing
Temperature	-49°F to 122°F -31°F to 104°F for UL 294 listed applications
Wiring Distance	18AWG 4-wire, 7 strand up to 3000 feet
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
Read Range	1 - 2 inches

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 back box 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 such sources such as generators or high power radio equipment.

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

Dimensions

Backbox: Height: 5.3" Width 2.8" Depth: 1.5"

Reader: Height: 5.7" Width: 4.0"

Specifications

The contractor 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 a 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.