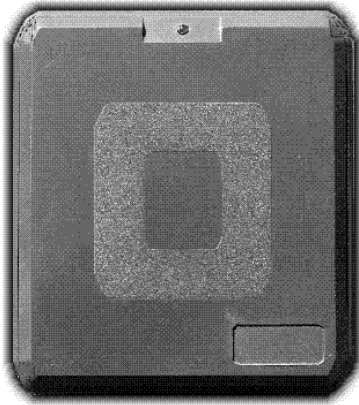


## Specification Sheet



K3001 - Low Profile



K3002 - Vandal Resistant



K3003 - Mullion

## Features

- Output data in the following formats:
  - Readykey KeyPAC (default)
  - Wiegand 26-bit
  - Wiegand 34-bit
  - Magstripe
  - Barcode
- Mounted indoors or outdoors (K3002 better suited for outdoor use)
- Suitable for mounting on metallic and non-metallic surfaces
- Integral red/green LED
- Tamper protection
- Low idle current consumption
- Available in White: K3001W and K3003W
- Available in Brass: K3002



***These readers are not compatible with previous Readykey K2000 Series readers and credentials that use 153 kHz.***

The reader technology is TouchFree (proximity) with a read range of up to two inches (5 cm). The readers can be mounted outdoors without additional environmental protection, and operate from -31°F to + 140°F (-35°C to + 60°C), with a relative humidity of 0% to 90% noncondensing.

These readers are powered from the door controller and do not require an additional power supply. They are capable of operation up to 3,000 ft. (914 m) from the K2000, K2100, and K2200 Series Door Controllers using standard 22 AWG (0.8 mm), 4-conductor cable. The status of the reader and the cabling is monitored and includes tamper indication.

These readers read **KeyPAC** ID-devices including ISO thickness ID cards. They **do not** read the earlier K2000 series ID devices. ***Make sure to specify KeyPAC whenever you buy ID devices.***

## Description

There are three standard range readers in the KeyPAC K3000 Reader Series: the K3001, K3002 and K3003 Readers. The three readers include an LED to indicate valid access. Readers are low profile and weatherproof and can be mounted behind non-ferrous materials without any adverse effect on readability. These readers use the industry standard of 125 kHz.



# K3000 Series

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## Compatible ID Devices

Part Number	Description
K3011-10	KeyPAC ISO Thin Card (10 pk)
K3011M-10	KeyPAC ISO Thin Card with Magnetic Stripe (10 pk)
K3010-10	KeyPAC Tokens (10 pk)
K3011WG-10	KeyPAC Cards with Wiegand Stickers (10 pk)
K3010WG-10	KeyPAC Tokens with Wiegand Stickers (10 pk)



Figure 1: K3010 KeyPAC Tokens

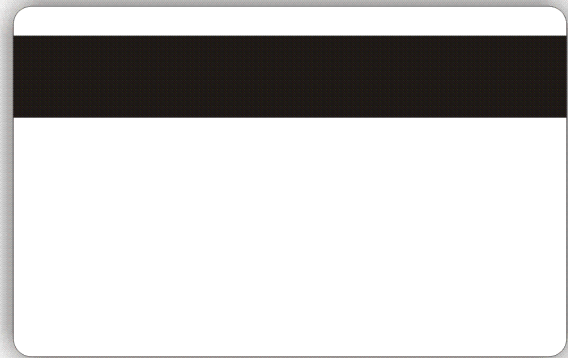


Figure 2: K3011M KeyPAC ISO Thin Card (with Magnetic Stripe)

### K3001 Low Profile Reader

The K3001 is a low profile reader constructed from a durable black plastic. This reader can be flush or surface mounted, bracketed, or concealed behind glass, plaster work or any other non-metallic surface. It has an approximate read range of 2 in. (51 mm) and serves one access point. The LED turns green to indicate valid access. Otherwise, it is red.

### K3002 Vandal Resistant Reader

The K3002 Vandal Resistant reader is constructed from durable, heavy gauge stainless steel (0.07 inch, 14 gauge). It has a 0.5 in. (12.7 mm) read range from one direction only, and can be surface mounted with tamper resistant screws. The K3002 serves one access point.

The LED glows green to indicate valid access. Otherwise, it is off.

### K3003 Mullion Reader

The K3003 proximity reader is an accessory for the Radionics Readykey K2100/K2200 Series Door Controllers. The K3003 uses pre-encoded proximity keys or cards. Each key/card is encoded with a unique code.

The K3003 is weather resistant and suitable for indoor or outdoor use. Keys and Cards are read at a distance of up to 2 inches (51 mm).

The LED turns green to indicate valid access. Otherwise, it is off.

### Application

All three Readers can be mounted indoors or Outside. They are field programmable for Wiegand 26-Bit, Wiegand 34-Bit or Readykey formats.

## Specifications

		K3001	K3002	K3003
<b>Dimensions (HxWxD)</b>		3.9 in. x 3.5 in. x 0.5 in. (9.9 cm x 8.9 cm x 1.3 cm)	4 in. x 3.5 in. x 0.5 in. (9.9 cm x 8.9 cm x 1.3 cm)	5.1 in. x 1.56 in. x 0.6 in. (13 cm x 4 cm x 1.5 cm)
<b>Appropriate Reading Range for ISO Thickness</b>		0 in. – 5 in. (0 cm – 12.7 cm)	0 in. – 2 in. (0 cm – 5.1 cm)	0 in. – 3 in. (0 cm – 7.6 cm)
		These ranges will reduce if the readers are mounted on surfaces containing metal or if they are near local sources of electrical noise.		
<b>Power Requirements</b>		12 VDC (nominal), < 85 mA; Tolerance +10.5 V to +20 V		12 VDC (nominal), < 40 mA; Tolerance +10.5 V to +20 V
<b>Cable Type</b>		4-wire, 22 AWG (0.8 mm) alarm cable		
<b>Maximum Distance from Door Controller to Reader</b>		Up to 3,000 ft. (914 m)		
<b>Operating Voltage</b>		10 – 18 VDC at the Reader		
<b>Environmental</b>	<b>Operating</b>	-31°F to + 140°F (-35°C to + 60°C) 0-90% RH at +86°F (+30°C) ± 5°F (2°C) for 24 hours		
	<b>Storage</b>	-31°F to +176°F (-35°C to +80°C)		
	<b>Relative Humidity</b>	0 to 90% Humidity Non-condensing. The humidity for UL294 listed Applications is 0-85%.		
	<b>Ingress Protection</b>	Sealed to IP 66		

## Output Format Selection

Output Format	LED Brown to...	LED Yellow to...	# of Flashes on power up
Normal power up	all separate		
Readykey (default)	white	-	0
Wiegand 26-bit	green	-	1
Wiegand 34-bit	white	green	2
Magstripe	-	green	4
Barcode	green	white	5

## Compatible KeyPAC Components / Ordering Information

### Configured Systems (PC Based)

K6300-16	16 Door Package (with K6300-R Desktop Reader)
K6300-32	32 Door Package (with K6300-R Desktop Reader)
K6300-MS	128 Site Package (K6300-CNCII with KeyPAC Admin Reader)
K6300-MS3	3 Site Package (K6300-CNCII with KeyPAC Admin Reader)

### Hardware Components (PC Based)

K6300-R	Desktop Reader
K6300-CNCII	Central Network Controller
K6300-PC	PC Admin Kit

### Door Controllers

K1100-KP	2 Door Controller with K3108 Faceplate
K1200-KP	2 Door Enhanced Controller with K3108 Faceplate
K2100-KP	4 Door Control with K3108 Faceplate
K2200-KP	4 Door Enhanced Controller with K3108 Faceplate
K3108	KeyPAC Faceplate

### Readers and Accessories

K3001	KeyPAC Low Profile Reader
K3001W	KeyPAC Low Profile White
K3002	KeyPAC Vandal Reader
K3002B	KeyPAC Vandal Reader Brass
K3003	KeyPAC Mullion Reader
K3003W	KeyPAC Mullion Reader White
K3004	KeyPAC Extended Range
K3004W	Extended Range White

### Credentials

K3010-10	Proximity Keys 10/Pk
K3010WG-10	Proximity Keys 10/Pk WG
K3011-10	Proximity Cards 10/Pk
K3011M-10	Proximity Stripe Cards 10/Pk
K3011WG-10	Proximity Cards 10/Pk WG

### Mounting Brackets

K2016	For mounting K2001/K3001 on door/window frame behind glass.
K2017	Adapter plate for mounting K2001/K3001 onto an electrical outlet box
K2018	Adapter plate for mounting K2002/K3002 onto an electrical outlet box

Call your authorized Readykey Dealer or Technical Support.

## Listings and Approvals

- UL
- CE
- FCC