

# Scramble Keypad SP-100

Randomly Allocated LED Keypad Reader for Unique PIN Entry

Traditional keypad readers can be viewed as less than secure in their standard form. It is possible for wandering eyes to learn your unique PIN code without your knowledge. There is now a unique and secure alternative.

The **Scramble Keypad** is a keypad reader designed to prevent onlookers from detecting the PIN code being entered. The LED's display a randomly allocated set of numbers from 0 to 9. The position of the numbers change every time the keypad is activated. Only the user standing directly in front of the keypad can see the scrambled digits.



Passwords and codes remain the dominant means of authentication in today's systems because of their simplicity, legacy deployment and ease of revocation. Unfortunately, common approaches to entering passcodes by way of keyboard, mouse, touch screen or any traditional input device, are frequently vulnerable to attacks such as "shoulder surfing" and "password snooping". A malicious observer may be able to acquire the user's password credentials. The Scramble Keypad is an effective solution for preventing onlookers from observing legitimate users PINs.

Utilizing a Wiegand communication protocol this reader offers over 3.6 million unique permutations. The durable membrane keypad is weatherized for outdoor use. The Scramble Keypad is available in gray or black.

## FEATURES & BENEFITS

- Very narrow viewing angle of the lighted, scrambled digits
- The membrane keypad is extremely durable
- Random allocation of digits ensures even wear to the keys
- Individual PIN codes can be up to 5 digits in length (26 bit card format)
- The SP-100 has a weatherproof rating of IP65
- An audible alarm signals when a button is depressed
- Robust polycarbonate enclosure
- The unit is equipped with power-up diagnostics and self-test routine
- The SP-100 is provided with Wiegand communication protocol
- Over 3.6 million unique permutations are available
- Terminal connection on the rear of the unit

## SPECIFICATIONS:

- Dimensions: 5.39" x 4.17" x 2.05"
- Input Voltage: 8-14 VDC
- Input Current: 500mA max.
- Operating Temperature: 5F to 122F
- Weight: 16.76 oz.
- Cable Distance (Wiegand ): 500' with 22AWG 6 conductor stranded with overall shield

## ORDERING INFORMATION:

- Scramble Keypad SP-100
- Surface Mount Kit SP-100
- Flush Mount Kit SP-100

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