



HandKey[®] CR

Biometric Hand Geometry Reader

The no-compromise security solution is at hand.

Bring the security and convenience of biometrics to your access control system with HandKey[®] CR from Schlage. The HandKey CR hand geometry reader utilizes field-proven technology that maps and verifies the size and shape of a person's hand in less than one second. It allows access to only authorized people without the hassle of using a card or key.

The HandKey CR is specifically designed to work in conjunction with card based access control systems. This makes adding biometric security to critical access points fast, simple and seamless for both new and existing systems. The HandKey CR combines biometrics and a keypad for dual authentication of identity. Optional integrated proximity or smart card readers offer multi-factor authentication to provide even higher security for your applications.

The HandKey CR reader and the HandKey CR with an integrated HID[®] proximity reader can store up to 512 cardholder templates in the unit, with an optional memory upgrade that allows for 32,512 users. The HandKey CR with integrated iCLASS reader stores cardholder templates on their cards, protecting cardholder privacy and eliminating the need to store and update cardholder databases in individual HandKey CR readers. The storage of the template on the card allows the reader to support an unlimited number of cardholders.



BENEFITS

- Reliable field proven technology
- Biometric technology provides the maximum level of security
- Easily integrates into most access control systems
- Fast and easy to use
- Engineered to work with card based access control systems

Hand Geometry Technology

The HandKey captures a three dimensional image of the hand using a 32,000 pixel image array. Over 90 measurements including the length, width, thickness and surface area of the fingers and hand are taken. The advanced algorithm determines the unique aspect of the hand and then generates a nine-byte hand template. This template is then stored and used for subsequent comparisons. Dirt, cuts and abrasions on the hand have no impact on accuracy.

The HandKey CR can communicate to access control systems in a variety of ways. It offers card reader emulation mode that provides Wiegand protocol interface compatibility with all standard access system. Additionally, RS-485, RS-485 and RS-232 serial communications are supported. The serial port may be used to communicate directly with the access control system or other HandKey CRs in the system.

Hand template management can be done automatically when multiple HandKey CRs are linked together via RS-485 or RS-422. The unit's built in template management system can be used to distribute hand templates to other hand readers in the network, allowing users to enroll at one reader and then use other readers in the system without re-enrollment. By using the same method, a user can easily be removed system-wide.

To ensure system integrity, a tamper switch is built into the reader. Tamper alarms and other conditions such as verification refused, lock out and duress can be monitored by the panel directly or through one of the reader's two auxiliary outputs.

Antimicrobial Protection

A BioCote® antimicrobial agent applied during manufacturing of the HandKey, provides a durable and safe finish that makes the planter's surface cleaner and more hygienic.

Blue Hand Outline

The HandKey comes standard with a blue hand outline printed on the platen. This hand outline will help new users place their hand accurately on the platen when using the terminal and decrease initial enrollment time.

SPECIFICATIONS			
	HandKey CR HG-4	HandKey CR With Proximity Reader	HandKey CR With iCLASS Reader
Description	This reader stores templates for up to 512 users in the unit	This reader stores templates for up to 512 users in the unit and reads HID prox cards	This reader stores templates on an iCLASS smart card
Dimensions	11.65" H x 8.85" W x 8.55" D (29.6cm H x 22.3cm W x 21.7cm D)		
Max. Read Range	N/A	2"	Card sits in holder
Cable Distance to Host (Wiegand)	500' (152m) max		
Compatible Cards		HID proximity	iCLASS
Number of Templates	512	512	512
Template Size	9 bytes		
Enrollment Time	< 15 seconds		
Equal Error Rate (EER)	0.1%		
False Acceptance Rate	0.1%		
False Rejection Rate	0.1%		
Custom Features	FTE of 1 on 10,000		
Verification Time	less than 1 second		
Regulatory Approvals	FCC, CE, UL 294		
Operating Temperature	32° to 113° F (0° to 45° C)		
Operating Humidity	20 - 80% relative humidity		
Operations Voltage Range	12 to 24 VDC		
Current (@12VDC)	170ma	200ma	170ma
Tamper	Built-in tamper switch		
Communications	RS-485, RS-422 or Ethernet		
Output Interfaces	Wiegand		
Warranty	1 year		



HandKey® is a registered trademark of Schlage. Specifications subject to change. Please check with your system vendor for details.