



## IR<sup>®</sup> Biometric HandKey<sup>®</sup> II Reader

decision-making capability, resides in the Squadron™ panel. This ensures that doors are secure and will continue to operate properly, even if communication with the CS Gold system is lost.

### **Fully integrated**

Systems can be as simple as one unit on the computer room door or elevator, or hundreds of units networked together. The HandKey II's card reader emulation mode makes adding it and patron hand templates to the CS Gold system fast and easy.

All alarms and transactions report back to the CS Gold system in real-time, making door and alarm monitoring easy and efficient. Activity, user, and system reports are easy to generate. The CS Gold system handles all hand template management automatically, allowing supervised enrollment at any reader and system-wide deletions.

## For Colleges and Universities

Ingersoll Rand<sup>®</sup> brings the security and convenience of biometric technology easily within reach of most access control applications. The HandKey<sup>®</sup> II utilizes field-proven hand geometry technology that maps and verifies the size and shape of a person's hand. It then compares the hand geometry to the map stored in the CS Gold<sup>®</sup> database and grants or denies access, all in less than one second.

The deployment of the HandKey II reader builds upon the proven practice of CBORD associating with the best-of-breed companies offering devices to serve the various niches on campus. Used in recreation centers, labs, classrooms, elevators, and other locations, the HandKey reader fulfills the need for a fully integrated and reliable biometric reader with a lower cost.

### **Door control and monitoring**

The HandKey II's design provides the ultimate in system reliability. Each HandKey II is a complete door controller, providing door lock operation, request for exits, and alarm monitoring. All information, including biometric data and

# CS Gold<sup>®</sup> Squadron<sup>™</sup>

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**No-compromise security  
solution is at "hand"**

- **Fast and easy to use**
- **Integrates into CS Gold<sup>®</sup> through Squadron<sup>™</sup> panel**
- **Hand template stored in the CS Gold database**
- **Field-proven reliable technology**
- **"Cardless" entry**

# IR® Biometric HandKey® II Reader

## Simple patron enrollment

CS Gold provides functionality to quickly step through the process of biometric data capture, and enable the functionality within the software. Once enabled, a patron follows simple instructions at the HandKey II reader, and his/her hand is scanned three times to accurately map the hand geometry.

Once a person is enrolled, the system constantly updates the biometric data with each use of the reader. This allows more accuracy in readings, as well as accounting for possible minor changes (weight gain, swelling, etc.). If a major change in the hand is seen (broken finger, splint, cast, etc.), the person will not be denied access by the reader, but can be re-enrolled with the change included until the hand is healed.

## Location entry options

The HandKey II has multiple levels of entry security depending upon the nature of the location to be entered. Locations can be set up to be hand-only entry, hand and PIN, or a hand, PIN, and card swipe combination. This provides flexible options to campuses when implementing biometric access.

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## Specifications

**Dimensions:** 8.85" W x 8.55" D x 11.65" H ( 22.5 cm x 21.7 cm x 29.6 cm)

**Weight:** 6 lbs (2.7 kg)

**Power:** 12 to 24 VDC or 12 to 24 VAC 50-60 Hz, 7 watts

**Operating Environment:** 32 F to 113 F (0 C to 45 C), 20 to 80 percent relative humidity, non-condensing

**Communications:** RS-485 (4 and 2 wire), RS 232 Serial Printer Support or network communications

**Baud Rate:** 300 to 28.8 Kbps

**Card Reader Input:** Proximity, Wiegand, Magnetic Strip, Bar Code

**Card Reader Output:** Wiegand, Magnetic Strip, Bar Code

**Auxiliary Outputs:** 3 user definable

**Alarm Monitoring:** Tamper, Door Forced, Duress

**Transaction Storage:** 5120 transactions

**User Capacity:** 512 users expandable to 32,512 users

**Template Size:** 9 bytes

