



# THE ULTIMATE COMBINATION OF ACCESS CONTROL AND EMPLOYEE EFFICIENCY



## Features & Benefits:

- + Increase management efficiency for the control of employee safe access rights.
- + Eliminate hard and soft costs associated with keys and combinations.
- + Create a non-refutable identification and hold each user accountable through extensive audit capabilities.
- + Control multiple compartments within a single safe with one biometric unit.
- + Economical retrofit for existing mechanical or electronic locks.
- + Passed all performance tests required by the National Biometric Security Project (NBSP).
- + UL Type 1 High-Security Electronic Lock.

Many safes located in retail or commercial environments require access by multiple users. Entry to the safes' cash supply is typically via key or combination (PIN). There are risks inherent to these options; keys are easily lost or duplicated, combinations can be forgotten, lost or given to others. Often times, there is no record of these access events.

Access control based on biometrics eliminates the exposure, cost and downtime associated with lost keys and combinations, while making it possible to establish a user's identity based on 'who they are' rather than by 'what they possess' or 'what they remember'.

The SmartPoint Biometric Recognition Locking System captures the unique and significant features of a human fingerprint to allow or deny safe access. The authorised person must be physically present for access to be granted, ensuring positive identity and the accuracy of the audit.

The SmartPoint software uses highly secure algorithms to recognise and analyse the fingerprints' unique patterns. The basic idea is to measure the relative positions of fingerprint patterns. SmartPoint will accurately verify or deny a fingerprint from a database in a fraction of a second.

The biometric reader features patented Light Emitting Sensing (LES) technology. LES has been tested to more than 1.5 million touches and has proven immune to electro-static discharge, nicotine and other elements that negatively impact competing scanning technologies. LES' unique method of image capture effectively overcomes issues of dry, wet and slick fingers that commonly defeat other finger input technologies. In addition, Live Finger detection eliminates spoofing by gummy or silicon replicas.

The retail and commercial environments require safe locking systems that provide the highest form of security and access control. The system must be durable and accurate. It must offer convenience, yet ensure accountability. That system is SmartPoint.

## Applications

Businesses that require multiple employee access or have high employee turnover such as:

- + Restaurants - fast food and casual dining
- + Convenience Stores
- + Quick Serve Gas Stations
- + Grocery Stores
- + Retail Chain Stores
- + Jewelry Stores





**Biometric Features**

**Light Emitting Sensor Technology**

- + Highest Usability
  - + Curved face
  - + Teflon contact surface
  - + Highest quality image generation (650 DPI captured)
- + Durable
  - + No Electro Static (ESD) sensitivity
  - + Does not absorb skin oils or nicotine
  - + Tested to 1.5 million touches
  - + Designed for high traffic applications
- + Intrinsic Live Finger Sensing
  - + No False Reject Rate (FRR) impact
  - + Spoof-proof - cannot be fooled with artificial gummy or silicon replicas

**System Features**

- + Three levels of User Identification:
  - + Fingerprint only
  - + Fingerprint and PIN code
  - + PIN code only
- + Audit Trail - each lock within the system records and stores the last 4000 operations. Input module can scroll last 1000 system events (locks & users).
- + Multiple Users - up to 98 access users can be enrolled in the SmartPoint system. Two additional "master" administrators control system configuration.
- + Time Delay - optionally programmed 1-99 minute time delay deters potential intruders.
- + Wrong Try Penalty - five minute opening delay after four invalid attempts.
- + Time Lock - Optionally programmed. Safe can be locked down for specified periods and opening windows can be set.

**Specifications**

**Environment:** Temperature - 32°F to 120°F (0°C to 49°C)

Humidity - 86°F (30°C) and 85% relative humidity for 24 hours

**Verification Time:**  
Less than 1 second, typical

**Maximum # Access Users:** 98  
+ 98 users/1 fingerprint per user  
+ 49 users/2 fingerprints per user

**Power:** Recommended 9v DC (regulated)  
Maximum 14v DC

9v battery backup in the event of power failure

**Communication:** 38.4k baud.

**Memory:** Non-volatile. Information contained in lock (including logs and set-up) will not be lost in the event of power loss.

