

Biometric Door Lock



- A new level of security and convenience
- No more lost or stolen keys
- No more forgotten keys
- Up to 1000 users
- Easy to use: Just brush fingers on sensor to unlock
- Program new users at the lock; admin control
- Easy to install no external wires or special hardware
- USA product; patent pending

The **BioKnob™** heralds a new generation of door lock featuring advanced fingerprint recognition technology in an attractive and affordable form. Biometrics, increasingly recognized as the ultimate in security and convenience, is now available for your home or office.

Developed by Tychi Systems of Salem, New Hampshire, the BioKnob fits into standard doors and looks like an attractive door knob. However, within its smooth exterior is biometric technology as advanced as that now applied at military and government facilities.

The BioKnob eliminates the need for mechanical keys. Instead, authorized users program (enroll) their fingerprints into memory within the lock. To unlock the door, users brush a finger or thumb across the sensor. Up to 1000 users can be authorized for entry in the standard lock. No more worries about carrying, losing or forgetting keys. Only positively identified users can gain entry. Temporary users can be individually enrolled and deleted easily by the administrator.



Description

The BioKnob™ is a biometric door lock system with an optical fingerprint sensor located at the center of the door knob. An LCD display and key pad provide access to the programming functions. All components of the system are encased within the lock. The system is powered by two rechargeable batteries that lasts approximately 1000 openings on each charge. A warning alerts users when there are about 50 more entries to go. Charging the battery is simple: Plug in the AC adapter cable to the lock for about three hours.

The enrolling of fingerprint and programming of functions is done by the first users called Administrators, who can add other users if desired. 100 users can be enrolled in the standard lock. (Up to 1000 by special request.) Users can be added or deleted individually by the Administrators. Individuals can choose to enroll their thumb or any finger, or multiple fingers if desired.

The lock can be set to an unlocked mode during times when open access is desired. Fingerprint images are converted into templates which are stored for future verification of identity. No actual images of fingerprints are stored so there is no danger of extracting pictures of fingerprints from the lock.

Specifications

- Type of lock: Fingerprint activated
- Number of users: 1000
- Administrative control: 2 levels
- Verification time: 1 to 2 seconds
- Matching: 1:1 and 1:N
- Power: Rechargeable battery
- Material: Zinc Alloy Frame
- Choice of colors: silver or gold
- Dimensions:
6.75"(L) x 3.25"(W) x 3.25"(D)
- Weight: 6.6 lbs or 3Kg
- Door thickness: 1 3/8" to 2 1/2"
- Operating temperature: -25 to 80°C

