

SID™ Secure Identification Device for Amusement Rides

SID™ brings a new level of safety and security to the amusement ride industry.

Amusement rides are great fun for both children and adults but, unless they are operated by people trained and certified in their operation, they can also be dangerous.

It is for this reason that only people who have been properly trained and certified are allowed to run public amusement rides.



What is SID™?

SID™ is a secure identification device that uses the latest in biometric fingerprint technology to ensure that only people you have approved can run your rides. Only those people whose fingerprints are enrolled can control the ride.

SID™ does not replace your normal ride controls but is an 'add on' to give you unequalled control over who can operate your rides.

SID™ can be added to existing rides as an 'add on' unit or installed directly in the operator console on either new or existing rides, the choice is yours.

Operation:

Once SID™ is installed on your ride only those people who have their fingerprints enrolled will be able to operate the ride.

The first person enrolled becomes the system manager and is the only person able to enroll and delete users and to set or change the optional four digit PIN code.

To start the ride the authorized operator scans his fingerprint by placing it on the fingerprint reader. His fingerprint is compared to the enrolled fingerprints contained in SID™ and if a match is found the ride start button is activated and he is able to start the ride.

The operator must verify his fingerprint each time the ride is started or re-started after coming to a stop.

This ensures that there is no possibility of an unauthorized person having control of your ride. You know that only people you have authorized, and enrolled in the system, can operate your ride.

Features:

- Easy installation.
- Holds up to 21 Fingerprints (1 System Manager, 20 normal users).
- No connection to PC required, all operations are carried out directly on the unit
- Optional PIN code for verification in case of injury or damage to an enrolled finger
- Can be used on any ride.
- Easy to operate – no special skills required.
- Manager has complete control of system – enroll/delete users, set and change optional PIN code, reset to factory defaults
- Quick and accurate identification and verification.

Specifications:

Power	12V DC @ 1Amp
Sensor	CMOS active-capacitive pixel-sensing technology
Resolution	508 DPI
Grayscale Image Depth	Full 8-bit
Matching Type	1:1 or 1:N
Enrollment Time	2 Seconds (one finger placement)
Identification Time	< 2 Seconds
Verification Time	< 1 second
Electrostatic Discharge Tolerance	IEC61000 +- 15kV air discharge
False Acceptance Ratio	<0.001%
False Rejection Ration	<0.1%
PIN Code	4 Digits
Operating Temperature Range	-20 to 50 degrees Celsius (-4 to 122 degrees Fahrenheit)
Output Voltage	12V DC (standard) 110, 220, 330 or 440V AC with installation of appropriate relays.

For further information contact:

SID Protect Inc.

6599 E Thomas Rd. #102
Scottsdale, AZ 85251

Phone: 480 947 3485
email: sid@justbiometrics.com
<http://www.justbiometrics.com>

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