SmartCycle
SOLUTIONS

CSS 3.03

Soundproof Freeway Wall Door



The SmartCycle CSS 3.03

Soundproof Freeway Access Door

It is a robust, tamper-resistant security enclosure engineered to safeguard critical infrastructure access points along high-speed transportation corridors.

Designed to withstand harsh environmental exposure, constant vibration, and high-traffic acoustics, the system combines sound-dampening performance with advanced electronic access control.

Featuring SmartCycle's multi-factor electronic locking system, the CSS 3.03 ensures secure, controlled access for maintenance and authorized personnel only.

This product provides a long-term, maintenance-efficient solution for freeway and sound-barrier infrastructure, balancing strength, technology, and simplicity.

Key Features

- Electronic multi-factor security with app-based authentication.
- Tamper-resistant reinforced construction to deter intrusion or vandalism.
- Designed for vibration and freeway environmental exposure.
- Soundproof construction minimizes acoustic transmission.
- Bluetooth-enabled control for remote access.
- Prevents unauthorized entry; enhances freeway safety.
- Custom dimensions and configurations available for any installation.





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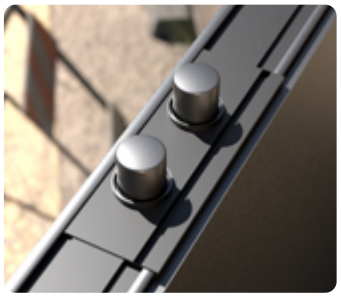
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Technical Specifications

PARAMETER	SPECIFICATION
DIMENSIONS	Frame: 78.5 in Length, 47 in Width, 2.5 in Thickness Door: 72.2 in Length, 40 in Width, 2 in Thickness
BASE MATERIAL	Structural-grade carbon steel (ASTM A36 / AISI 1018 or equivalent)
FINISH	Rust protected coating
OPTIONAL COATING	Powder coat or epoxy finish for marine / high-salinity environments
LOCKING MECHANISM	Proprietary electronic lock with multi-factor authentication (app-based)
ACCESS METHOD	Bluetooth-enabled for secure remote entry
POWER SUPPLY	Proprietary C4 Power source that powers the device
INGRESS PROTECTION	IP66 or higher (dust-tight and water-resistant)
TEMPERATURE RANGE	−40 °C to +85 °C (−40 °F to +185 °F)
VIBRATION RESISTANCE	Designed and tested for freeway vibration conditions
ACOUSTIC RATING	Meets freeway sound abatement wall specifications
SECURITY STANDARDS	Compliant with infrastructure protection guidelines
ENVIRONMENTAL STANDARDS	RoHS compliant (if applicable)
ANCHORING REQUIREMENTS	Requires structural anchoring into reinforced wall sections

Advantages

- Protects sensitive control and communication systems in freeway environments.
- Enhances safety for maintenance crews and drivers.
- Provides durable, weather-proof, sound-isolated protection.
- Integrates advanced authentication technology for secure infrastructure access.
- Designed for quick installation and long-term serviceability.







Ordering Information

Model: CSS 3.03 — Soundproof Freeway Wall Door
Options: Standard or custom sizing; hinge reinforcement; powder-coated finishes
Lead Time: 6–8 weeks typical production

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