



EL SECURE

The ultimate in building security

SECURE

Strength and reliability with superior performance



Financial Institutes



Government Buildings



Correctional Facilities



Law Enforcement Buildings



Airports & Transport Hubs



THE SECURE AUTOMATIC OPERATOR

For over four decades DORMA Automatics has been manufacturing and supplying the highest quality automatic door operators in the Australian market.

Using next generation technology, the EL Secure automatic sliding door operator delivers infinite control, smoother function, safety and security.

DORMA's tradition of reliability, longevity, performance and safety continues to influence its' product development.

The EL Secure is an Australian made product developed specifically to operate in extreme climatic conditions and where high security is required without

compromise.

The EL Secure is a high torque, superior performance product, developed to withstand

heavy-duty use. It's powered by DORMA's purpose designed and built motor and gearbox, a robust and maintenance-free construction that guarantees superior performance and operator longevity.

The EL Secure electric motor lock locks the doors via the drive train regardless of the door position. The drive train consists of a 12.7mm pitch chain with an average tensile strength of 1950kg.

The locking system incorporates a fully

monitored battery reserve system to ensure the doors remain locked for up to 48 hours during a power failure.

Compliance to Security Regulations, Building Codes and Australian Standards

The DORMA EL Secure is the only automatic sliding door operator endorsed for high security applications by the Australian Government through the Security Construction Equipment Catalogue (SCEC).

The EL Secure is fully compliant to Australian Standard 5007 "Powered Doors for Pedestrian Access and Egress.



ENGINEERED FOR SECURITY



Direct drive gearbox incorporating high tensile steel cut gears

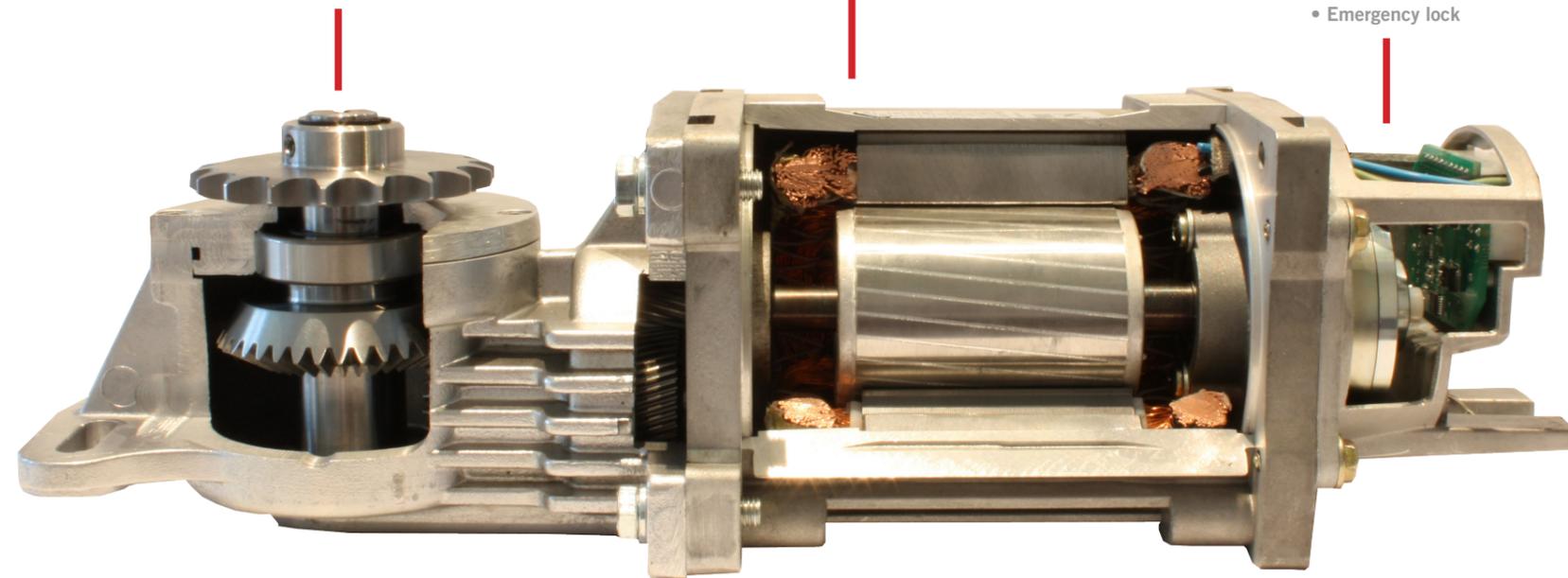
- Fully enclosed 8:1 gear ratio
- Chain drive with 1950kg tensile strength
- Hardened steel gear shaft
- Sealed for life bearings

24V three phase high torque motor capable of moving up to 300 kg

- Purpose designed
- Solid construction
- Maintenance free

Fully integrated, tamper resistant electric lock enabling the door to be locked in any position

- Motor lock
- Smart lock
- Partial open lock
- Emergency lock



Motor Lock

When the motor lock function is selected the door will fully close and lock at normal operating speed when all the safety devices are clear. If the door is obstructed while closing it will auto reverse to the fully open position, dwell time out, close and lock.



Smart Lock

When smart lock is selected the door will close and lock at normal speed overriding all safety devices. If the door is obstructed during the closing cycle it will immediately lock in position for a preset time before closing and re-locking.



Emergency Lock

When the emergency lock function is selected the door will close and lock at its maximum operating speed, overriding all the safety devices. If the door is obstructed during the closing cycle it will immediately lock in this position for a preset time before unlocking and fully closing and re-locking.



Partial Open Lock

When the partial open lock function is selected the door will open to a preset distance and lock in this position. A secure transaction can be achieved and when completed the door will fully close and re-lock.



Heavy Duty Purpose Designed and Built Motor and Electric Motor Lock

The EL Secure utilizes a purpose designed 3 Phase 24V AC motor and a fully enclosed secure motor lock that is totally resistant to vandalism and the effects of extreme weather conditions. The robust AC drive system

will offer the following benefits:-

- Doors can be locked in any position, through the electric lock engagement.
- High speed emergency lock option.
- Fully enclosed lock and

digital encoder.

- Partial Open Lock - a reduced opening distance that allows secure transactions.
- Constant power at all times during heavy traffic flows – performance

guaranteed.

- Engineered to operate door weights up to 300 kgs.



Security Key Switches

- Solid construction with stainless steel finish.
- Security concealed fixing points & suitable for most master key systems
- SK2: spring return switch
- SK4: four position switch

Heavy Duty Gearbox / Transmission System

The essential quality transmission components that the EL Secure offers:-

- Gearbox/drive system designed specifically for heavy duty automatic sliding door operation in high traffic and high security application.

• Fully enclosed system that is tamper proof and resistant to sand and dust

- Helical crowned high tensile steel cut gears – designed for constant directional changes and durability against wear and tear.
- Steel transmission gears for positive engagement without shearing or stripping like other plastic end gears may.
- Heavy duty 1/2" pitch transmission chain which is rated at 1950kg breaking strain and 5mm

thick steel door hanger brackets.

- Deep groove and fully sealed track wheels to prevent forced door disengagement.



Customer Mode Pad

- Security pin-coded
- Simple one-touch mode selection
- Diagnostic feedback
- Customer warning alarms
- Partial opening setting
- Pharmacy lock control

Fully Programmable Logic Controller

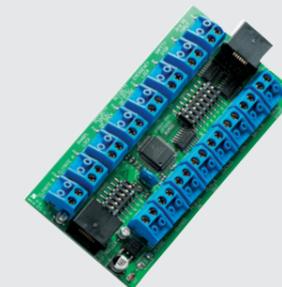
The EL Secure logic controller allows for the following features:-

- A fully monitored UPS battery back up system that will operate the door in excess of 300 cycles during a total power failure.

- Built in customer warning alarms.
- Security interfacing that easily integrates with building management.
- Fire alarm interfacing.
- Secure electric lock with 'Smart Lock' function

allowing locking in any position.

- Climate control: allowing for up to three reduced opening distances



Security Interface Board

- Flexible interface between door operator and security / BMS
- **Outputs:** locked, closed, battery low, 240v mains fail etc.
- **Inputs:** security open, security lock, emergency lock, partial open lock, safety stop etc.
- **Output signals:** NO / NC / 12VDC

HIGH SECURITY APPLICATIONS



Sydney International Airport



BUILDING MANAGEMENT

DORMA Door Management System (DMS)

The DORMA Door Management System (DMS) allows the EL Secure to integrate with a building's Local Area Network (LAN) and Building Management System (BMS).

The DMS easily connects via a standard RJ45 connector providing simple control of all automatic door operators within the building.

The DMS is designed to accommodate buildings with one or more entrances, allowing you to control and monitor the following parameters:

- Operating Parameters:**
- Selectable lock/ auto/ exit/ open
 - Partial open lock control
 - Emergency lock control
 - Time clock settings
 - Three partial open distances
- Monitoring Parameters:**
- Door open, closed, locked
 - Service messages including a time and date stamp
 - 240V mains power
 - Battery condition
 - Motion sensors
 - People / operation count



Adelaide Prison



Bendigo Bank



Parliament House



Gallery of Modern Art



Changi International Airport



Westpac Bank



Glaxo Smith-Kline Pharmaceutical



DORMA Australia
Head Office
46-52 Abbott Road
HALLAM
Victoria 3803
Phone 1800 675 411
info.au@dorma.com
www.dorma.com.au

DORMA NZ Limited
Head Office
Building P
61-69 Patiki Road
AVONDALE
Auckland 1026
Phone 0800 436 762
info.nz@dorma.com