

# ARCHITECTURAL SPECIFICATION:

## Heavy duty sliding automatic door operator

### OPERATION:

The Automatic Door Operator is to be a fully electric operator, GEZE EC DRIVE Model housed in an extruded aluminum profile transom section the unit shall comply to the stringent European Standards [which provides the base for AS 5007-2007] and have a class 3 rating, to suit bi-parting or single sliding doors.

- The equipment will incorporate electronic computerized DC Motor with built- in optical sensor for precise movement, high torque for a maintenance free life.
- The pelmet shall incorporate an integrated and interlocking hinge for secure closure and maximum cover. The design shall enable the operator to be fitted flush to the ceiling when required, while the pelmet may be opened fully or removed for access.
- **The multifunctional microprocessor control unit shall feature the following:**
  - **Self-calibrating and programmable modes.**
  - **Fully compensates door weight and friction therefore delivering the optimum force for efficient operation.**
  - **Independent circuits for pressing closed at the end of the closing stroke.**
  - **Provision for full interfacing with all types of building security/alarm systems.**
  - **Opening speed control.**
  - **Closing speed control.**
  - **Brake control: preventing the doors from slamming shut.**
  - **End Position-damping control for accurate slow-down of door movement.**
  - **Built-in UPS (uninterrupted power supply) for continued operation of door under power failure.**
  - **Automatic Cycle counting**
  - **Motor temperature monitor**
  - **Controller temperature monitor**
  - **Operating hour counter**
- The tracking system is to be linear track designed for accuracy and long service life fitted with no possibility of doors disengaging off tracks. The track shall be anodized for hardness and strength.
- Safety feature: Moving doors will automatically reverse when traveling if obstructed, sensitivity setting to be programmable.
- During a power failure or emergency the Failsafe device will fully open the doors. The doors will remain secure during after-hours power failures but will allow emergency egress via a failsafe exit button if required. Continuous operation after power failure is optional.
- Provision for climate control shall be available. Door opening can be restricted from 50% of normal door operation during high winds or low traffic situations.
- Door drive shall be by way of toothed belt reinforced with fiberglass tensile members, will incorporate nylon facing surface for pulley tooth protection, for silent and service free *operation*.

### ACTUATION:

Dual Microwave and Presence sensors (Preferred for applications where elderly, the specifier identifies infirmed, disabled or children as a likely usurers of the doorway.

**FUNCTIONS:**

Following functions are to be selectable through a wall mounted control switch

- **Auto - Doors are operated automatically via the movement sensors.**
- **Open - Doors maintained in open position continuously.**
- **Exit - Doors remain closed activated only by exiting traffic.**
- **Lock - Doors remain closed and locked where optional electric lock function has been installed. Exit by way of emergency exit button.**

**LOCKING:**

Electromechanical

An electric lock option is available to give total security and can be adapted where manual locking cannot be achieved, i.e. Frameless toughened Glass Doors. Lock type is the microprocessor controlled electric locking system. The microprocessor monitors all aspects of the locks functions; e.g. to ensure the door is fully closed when the lock is 100% engaged. Terminal outputs are available to signal to security systems both door position and lock status. The microprocessor is also self-diagnosing.

**OTHER:**

Maximum opening width.....	3000 mm
Maximum door weight.....	120 kg per door leaf
Opening speed double leaf, variable.....	up to 700 mm/sec
Closing speed, variable.....	50-400 mm/sec
Door open dwell time.....	0-30 sec
Manual opening/closing force.....	< 30 N

**Options:**

- Blue tooth servers, programming & diagnostic software interface. Ideal for concealed or difficult access applications.
- Radio Remote control.

**INSTALLATION:**

The manufacturer, window fabricator or the GEZE authorized service agent shall install the operator.

**COMMISSIONING:**

Operator shall be commissioned by a GEZE authorized service agent

**WARRANTY:**

All GEZE units are covered by a 2-year parts warranty and a 12 month labour warranty, an extended warranty plan is available through an optional maintenance agreement.

**PROPRIETARY ITEM:** GEZE EC DRIVE Automatic sliding door operator

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Authorized Service agents: Canberra

 Automatic Doors & Gates Window Control Systems Boom Gates PVC Doors Architectural Hardware Sash Balances	 Solar & Electric Gate Operators Single/ Double Gate Kits For Swing & Slide Gates Automaxx Gate Operators Australian Made & Imported	 move as you like	 Door Closers, Floor Springs Transom Closers Panic Bars Electric Chain Winders Window winders Sash Balances
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