

## ARCHITECTURAL SPECIFICATIONS GEZE EMD and EMD-F

**\*\* EMD/F is fire compliant \*\***

### Heavy duty automatic swing door operator

#### **OPERATION:**

The Automatic Door Operator is to be a fully electric operator [Power Open/Power Close] GEZE EMD Slimdrive Model housed in an extruded aluminum low profile transom section (Height **70mm** x Width **120mm** X Length **650mm**), and have a capability of a max door weight of 250kg.

**GEZE Auto Door Operators comply with the European Standards which are superior to the Australian Standards.**

- 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.
- Open speed control.
- Brake control: preventing the doors from slamming shut.
- Safety feature: Moving doors will automatically reverse when travelling if obstructed, sensitivity setting to be programmable.
- During a power failure door will revert to acting as a door closer to comply with fire regulations. [EMD/F ONLY]

#### **Specific on board diagnostic features:**

- Automatic Cycle counting
- Motor temperature monitor
- Controller temperature monitor
- Operating hour counter

#### **Options:**

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

**SAFETY SENSOR OPTION : [Specify if required]**

The impact hazard area in front of the closing door shall be covered by a **transom mounted safety presence sensor**, this sensor shall project a sensing field of 440mm wide x 70mm deep from the face of the door, if activate the door shall stop and reverse to prevent collision of the door with persons in the doors path.

**ACTUATION OPTIONS:** [Specify option]

Shall be one or a combination of the following:

- Dual Microwave and Presence sensors (Preferred for applications where elderly, infirmed, disabled or children are identified by the specifier as a likely users of the doorway.
- Flush mounted sensors
- Wall mounted proximity plates.
- Fine line sensors
- Push buttons [ Activation / Egress]
- Elbow switches [Wired or Wireless]
- Remote control receivers & transmitters
- Key card system

**FUNCTIONS:** [Specify if required]

Following functions are to be selectable through an OPTIONAL 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 or magnetic locking device by others can be integrated.

**OTHER:**

Maximum opening width	1400 mm
Maximum door weight	250 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

**INSTALLATION:**

The operator shall be installed by the manufacturer or the GEZE authorized service agent.

**COMMISSIONING:**

The 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: [Choose EMD or EMD/F]**

GEZE Model Slimdrive EMD Automatic swing door operator

GEZE Model Slimdrive EMD-F Automatic swing door operator [Fire compliant]

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**Authorized Service Agents:**

**Progressive Controls**

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