



ADIS Automatic Doors is a Trading Name of Cyberdoor Systems P/L

AUSTRALIAN OWNED — AUSTRALIAN MANUFACTURED

Address: Unit 3,413 Victoria Street, Wetherill Park NSW | Website: [www.autodoors.com.au](http://www.autodoors.com.au)

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## TO ARCHITECTURAL SPECIFICATIONS FOR NGA HEAVY DUTY AUTOMATIC DOOR OPERATOR FOR ALUMINIUM SLIDING DOORS

**OPERATION:** The Automatic Door Operator is to be a fully electric operator, housed in an extruded aluminum low profile transom section (Height 132mm x Width 155mm) the unit shall be Australian made by an Australian owned company, must comply to AS4085-1992, have a class 3 rating, to suit bi-parting or single sliding doors.

- a) The equipment will incorporate electronic computerized DC Motor with built-in optical sensor for precise movement, high torque for a maintenance free life.
- b) 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.
- c) 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
  - Open 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.
  - Option of solar power provision to be included.
- d) The tracking system is to be dual linear track designed for accuracy and long service life fitted with anti rise wheels with no possibility of doors disengaging off tracks. The upper track shall be made of harder and stronger alloy and be replaceable. Each track wheel is fitted with track wipers to maintain clean contact.
- e) Safety feature: Moving doors will automatically reverse when traveling in either direction, if obstructed, sensitivity setting to be programmable.
- f) During a power failure or emergency the fail-safe device will fully open the doors. The fail-secure mode will close and secure the doors until power is restored.
- g) 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.
- h) Dual sets of sun resistant P.E. light cells flush mounted in the door jambs will prevent doors from closing if the threshold area is obstructed. Fitting of P.E. light cells will be at 150mm and 600mm from finished floor level.
- i) 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.



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**ACTUATION:** shall be one of the following:

- Microwave sensors
- Flush mounted sensors
- Passive infra red sensors
- Fine line sensors
- Induction loops
- Remote control transmitter
- Key card system

**FUNCTIONS:** following functions are to be selectable through a wall mounted key 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 can not 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.....4000 mm  
Maximum door weight for biparting doors.....340 kg  
Opening speed with double leaf variable.....25-1300 mm/sec  
Closing speed with double leaf variable.....25-1300 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 authorized service agent.

**WARRANTY:**

All ADIS units are covered by a 3-year parts warranty and a 12 month labour warranty, an extended warranty plan is available through an optional maintenance agreement.

**PROPRIETARY ITEM:** NGA system

**MANUFACTURER:** (Head Office) ADIS AUTOMATIC DOORS

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