

## Specification: Model No: STA 21au

The electric Automatic Door Operators, Single or Bi-part, meet the Building Code of Australia (BCA) requirements and are tested to stringent European standards DIN EN16005 (durability and safety). record complies with the design, safety and functionality guidelines of the non-legislative Australian Standard AS5007-2007. The drive units are fully encased in aluminium housing with replaceable track section.

*Overall size - standard header 160mmH x 166mmD – low profile header 110mmH x 166mmD*

Door Leaf Maximum Capacities:

Standard drive: 2 x 100kg, 1 x 120kg

*Incorporated in the operators will be the following standard equipment:*

- ❑ *D.C. (direct current) brush-less motor* with monitoring electronics, generator brake and integrated, beveled worm drive gearbox, in metal casing.
- ❑ Drive unit incorporates Power Transformer - AC rating 230V ~ 240V, 50-60Hz with reduction to 24vDC supply to all powered components.
- ❑ *Fully computerised micro-processor*, which incorporates solid state switching of motor/gearbox and maintains full memory of all settings in case of power failure.
- ❑ *Super-torque timing belt drive*, which indefinitely retains tension settings and provides continuous smooth operation and minimises wear to drive components.
- ❑ *Adjustable door hanger/dual roller assemblies* with fully sealed precision bearings and anti-lift bearing type rollers.
- ❑ *Anti-shock dynamic braking*, to provide smooth and effective braking, automatically set during calibration to suit size and weight of door leaf/s.
- ❑ *Safety reverse/stop with delay*, in case of obstruction during either opening or closing cycle. Low speed, continuous retry after obstruction, prior to resuming normal operation.
- ❑ *Infinitely adjustable speed control*, to 700mm per second (door leaf) in opening and closing cycle.

### *Adjustable hold open time, (variable in*

*both summer and winter modes) to suit site requirement for time door is held open between open and close cycles.*

- ❑ *In-built closing power*, to prevent doors from opening without activation.
- ❑ *Integrated selection* for security, fire or smoke alarm interfacing and lock/door monitoring.
- ❑ *Operator accessory connections, by means of the latest technology in can- bus system or by standard wiring.*
- ❑ *LED mode or Key switch*, with customer simple programming options, including standard settings for; *Manual, Auto, reduced width, hold open, exit only or locking operation.* Customer may vary speed, reduced width and hold open time settings. A customer handbook is provided.
- ❑ *Failsafe operation* with fully monitored back-up battery.  
Upon power failure in auto operation doors will operate normally for up to 1/2 hour and then fail open, normal operation resumes upon power supply re-instatement.  
In lock mode doors may be continuously activated by emergency exit facility for up to 200 operations. Sensitivity/safety features are retained during battery operation.  
Door/s may be opened manually with a force of less than 110N upon total power failure/failsafe activation or in manual operation selection.

### *Activation/Safety*

Dual activation/safety screen sensors with self-monitoring are supplied internally and externally for both person detection and full screen safety, providing maximum possible safety to both sides of doorway.

### *Electric Locking*

Optional, failsafe motor brake locking may be installed to suit site requirements.

### *Warranty*

A complete 2 years parts and 1 year labour warranty will be supplied with record operator components and is subject to all commissioning, service and maintenance on the operator being conducted by authorised Agents or appointees during the warranty period.

*A service and maintenance contract to protect the longevity of the operators is recommended.*

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