

The Surelock McGill ADO 300 is a heavy duty automatic swing door operator, designed to electronically control the power opening and closing of single and double-leaf doors. The robust, belt driven design can operate doors up to 300 kg (660 lbs), a perfect fit for high performance blast, ballistic and forced entry resistant doors.



The digital programming module enables each door to be customised to meet its specific operational requirements, including compensation for wind and internal building pressure differences. The ADO's DC power supply seamlessly integrates with access control, alarm and locking systems.

FEATURES

- Operates doors up to 300 kg (660 lbs)
- Motor driven opening and closing
- Power supply field programmable 115/230 VAC 50-60 Hz, 5 amp circuit (120 W)
- Working temperature range of -15 °C (5 °F) to 50°C (120 °F)
- 24 VDC/1 A power supply for external locking accessories (electric strikes, maglocks, motorised bolt retraction locks, electric latch retraction)
- Digital programmer sets field operating parameters and displays system diagnostics
- Opening time to 95° is 4-12 seconds, closing time from 95° is 5-15 seconds (field programmable)
- Enclosure environmental rating: IP31

BENEFITS

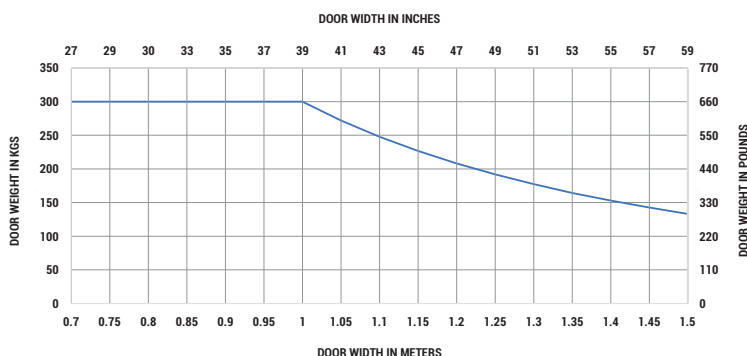
- High degree of site-specific programming options
- Works seamlessly with all Surelock McGill motorised bolt retraction devices
- Capable for use on escape routes
- Provides hands free access solutions when used with motorised locking

OPTIONS

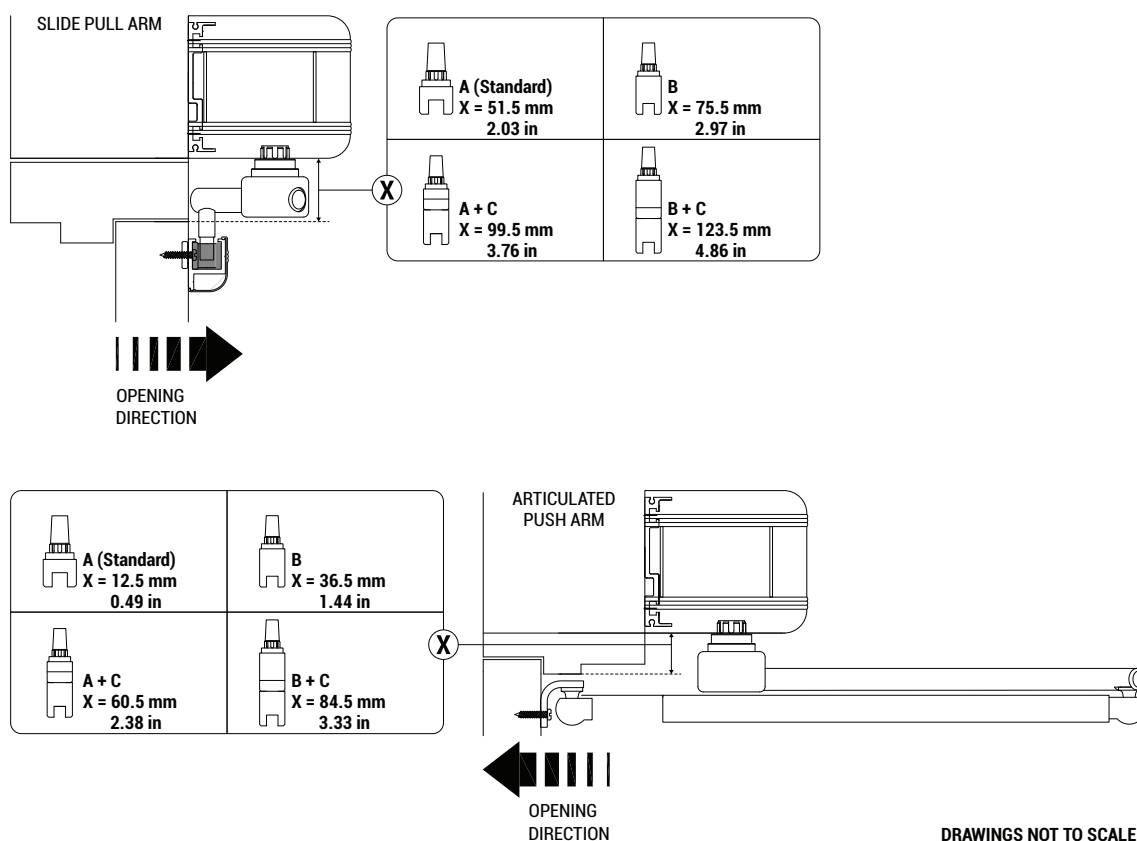
- Arm pivot extensions 'B' & 'C' to suit various applications
- Entry/exit safety sensors and switches
- Finger protection guards
- Operating mode key switches
- Battery backup available, in case of power failure

ADO CHART

Weight vs width for articulated arms. The relation between height and width of a door leaf must be less than 5:1.



SURELOCK ADO 300 TECHNICAL DRAWING



ARM		EXTENSION	X (DIMENSION) SLIDE PULL ARM	X (DIMENSION) ARTICULATED PUSH ARM
CODE	REF			
Std	A	Zero (Datum)	51.5 mm (2.03 in)	12.5 mm (0.49 in)
Ext-B	B	24 mm (0.95 in)	75.5 mm (2.97 in)	36.5 mm (1.42 in)
Ext-C	A + C	48 mm (1.89 in)	99.5 mm (3.76 in)	60.5 mm (2.38 in)
Ext-D	B + C	72 mm (2.84 in)	123.5 mm (4.86 in)	84.5 mm (3.33 in)

REFERENCE STANDARDS

- EN 13849-1 Safety of machinery
- EN 13849-2 Safety of machinery
- EN 61000-6-2 Electromagnetic compatibility
- EN 61000-6-3 Electromagnetic compatibility
- EN 60335-1 Low Voltage Directive (LVD)
- EN 16005 Power operated pedestrian doorsets

Options to be ordered separately - for more information please contact our sales office

The Surelock McGill ADO 200 is a medium duty automatic swing door operator, designed to electronically control the power opening and spring closing of single and double-leaf doors. The robust, belt driven design can operate doors up to 250 kg (550 lbs), a perfect fit for high performance blast, ballistic, forced entry resistant, and fire doors.



The digital programming module enables each door to be customised to meet its specific operational requirements, including compensation for wind and internal building pressure differences. The ADO's DC power supply seamlessly integrates with access control, alarm and locking systems.

FEATURES

- Operates doors up to 250 kg (550 lbs)
- Motor driven opening with spring closing
- Power supply field programmable 115/230 VAC 50-60 Hz, 5 amp circuit (120 W)
- Working temperature range of -15 °C (5 °F) to 50 °C (120 °F)
- 24 VDC/1A power supply for external locking accessories (electric strikes, maglocks, motorised bolt retraction locks, electric latch retraction)
- Digital programmer sets field operating parameters and displays system diagnostics
- Opening time to 95° is 4-12 seconds, closing time from 95° is 5-15 seconds (field programmable)
- Enclosure environmental rating: IP31

BENEFITS

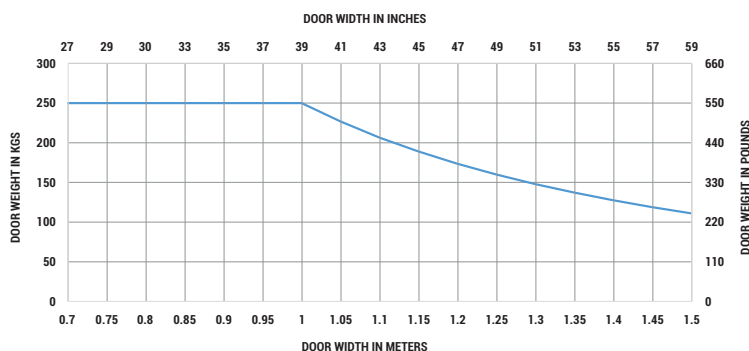
- High degree of site-specific programming options
- Works seamlessly with all Surelock McGill motorised bolt retraction devices
- Capable for use on escape routes
- Provides hands free access solutions when used with motorised locking

OPTIONS

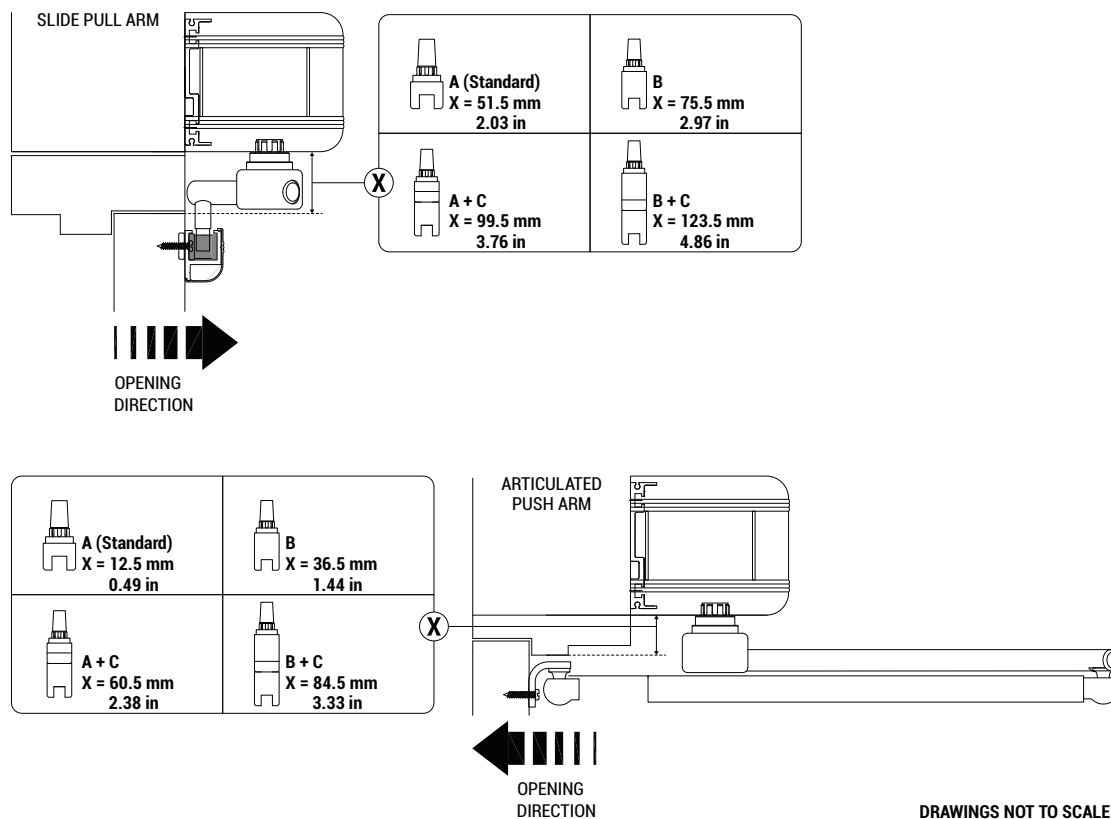
- Arm pivot extensions 'B' & 'C' to suit various applications
- Entry/exit safety sensors and switches
- Finger protection guards
- Operating mode key switches
- Battery back-up available, in case of power failure

ADO CHART

Weight vs width for articulated arms. The relation between height and width of a door leaf must be less than 5:1.



SURELOCK ADO 200 TECHNICAL DRAWING



DRAWINGS NOT TO SCALE

ARM		EXTENSION	X (DIMENSION) SLIDE PULL ARM	X (DIMENSION) ARTICULATED PUSH ARM
CODE	REF			
Std	A	Zero (Datum)	51.5 mm (2.03 in)	12.5 mm (0.49 in)
Ext-B	B	24 mm (0.95 in)	75.5 mm (2.97 in)	36.5 mm (1.42 in)
Ext-C	A + C	48 mm (1.89 in)	99.5 mm (3.76 in)	60.5 mm (2.38 in)
Ext-D	B + C	72 mm (2.84 in)	123.5 mm (4.86 in)	84.5 mm (3.33 in)

REFERENCE STANDARDS

- EN 13849-1 Safety of machinery
- EN 13849-2 Safety of machinery
- EN 61000-6-2 Electromagnetic compatibility
- EN 61000-6-3 Electromagnetic compatibility
- EN 60335-1 Low Voltage Directive (LVD)
- EN 16005 Power operated pedestrian doorsets
- EN 1634-1 Fire resisting doorsets

Options to be ordered separately - for more information please contact our sales office