

Smoke Control Actuators

High Performance Actuators Conforming to
BS EN12101

Chain Actuators

Small Chain Actuator—AP-SCD Range



- 24V DC or 230V AC options
- Push/Pull Force 250N
- Sandblasted Oxidative Surface
- Aluminium Construction, Silver finish
- Low Noise Operation
- Double Link Chain for greater Stability
- Electronic Overload Cut off
- Endurance Tested for 30,000 Operations
- Optional Colours Available

FEATURES:

- Conforms to EN12101
- Aluminum Construction
- 30,000 operation Guaranty
- Simple to Install
- Conforms to SCA guidance
- Fast Delivery on standard sizes

PART NO	INPUT VOLTAGE	AMPS	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	DIMS MM
AP-SCD-200 DC	24 VOLT DC	1	250 N	200	8	32	44x32x320
AP-SCD-300 DC	24 VOLT DC	1	250 N	300	8	32	44x32x360
AP-SCD-400 DC	24 VOLT DC	1	250 N	400	8	32	44x32x410
AP-SCD-200 AC	230 VOLT AC	0.2	250 N	200	8	32	44x32x440
AP-SCD-300 AC	230 VOLT AC	0.2	250 N	300	8	32	44x32x480
AP-SCD-400 AC	230 VOLT AC	0.2	250 N	400	8	32	44x32x530

Large Chain Actuator—AP-LCD Range



- 24V DC Input Power Reverse Polarity
- Push/Pull Force 400N
- Sandblasted Oxidative Surface
- Aluminium Construction and finish
- Low Noise Operation
- Double Link Chain for greater Stability
- Electronic Overload Cut off
- Endurance Tested for 30,000 Operations
- Optional Colours Available

PART NO	INPUT VOLTAGE	AMPS	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	DIMS MM
AP-LCD-300 DC	24 VOLT DC	1.5	400 N	300	8	32	51x40x410
AP-LCD-400 DC	24 VOLT DC	1.5	400 N	400	8	32	51x40x460
AP-LCD-500 DC	24 VOLT DC	1.5	400 N	500	8	32	51x40x510
AP-LCD-600 DC	24 VOLT DC	1.5	400 N	600	8	32	51x40x560
AP-LCD-700 DC	24 VOLT DC	1.5	400 N	700	8	32	51x40x610
AP-LCD-800 DC	24 VOLT DC	1.5	400 N	800	8	32	51x40x660
AP-LCD-900 DC	24 VOLT DC	1.5	400 N	900	8	32	51x40x710

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TWIN CHAIN ACTUATORS



- 24V DC Input Power Reverse Polarity
- Push/Pull Force 600/800N
- Sandblasted Oxidative Surface
- Carbon steel or stainless steel chain options
- Low Noise Operation
- Double Link Chain for greater Stability
- Electronic Overload Cut off
- Endurance Tested for 30,000 Operations
- Optional Colours Available

TECHNICAL SUPPORT

We offer full technical design support and can calculate your fire load and system design and flow rates

DESIGN CALCULATOR

We can offer you a full design service to meet any requirements. All design are provided with system drawings and a full design calculation report. We can also offer CFD modeling

CONTACT DETAILS

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PART NO	INPUT VOLTAGE	AMPS	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	DIMS MM
AP-TCD-300 DC	24 VOLT DC	3	600/800	300	8	32	51x40x850
AP-TCD-400 DC	24 VOLT DC	3	600/800	400	8	32	51x40x950
AP-TCD-500 DC	24 VOLT DC	3	600/800	500	8	32	51x40x1050
AP-TCD-600 DC	24 VOLT DC	3	600/800	600	8	32	51x40x1150
AP-TCD-700 DC	24 VOLT DC	3	600/800	700	8	32	51x40x1250
AP-TCD-800 DC	24 VOLT DC	3	600/800	800	8	32	51x40x1350
AP-TCD-900 DC	24 VOLT DC	3	600/800	900	8	32	51x40x1450
AP-TCD-1000 DC	24 VOLT DC	3	600/800	1000	8	32	51x40x1550

LINEAR ACTUATORS



- 24V DC Input Power Reverse Polarity
- Push/Pull Force 600—1000N
- Wired from Side
- Aluminium Construction and finish
- Low Noise Operation
- Ideal for Heavy Duty Windows
- Electronic Overload Cut off
- Endurance Tested for 30,000 Operations
- Optional Colours Available

PART NO	INPUT VOLT-AGE	AMP	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	DIMS MM
AP-LS-300 DC	24 VOLT DC	1.5	600/1000N	300	8/4	32	Ø36x561
AP-LS-400 DC	24 VOLT DC	1.5	600/1000N	400	8/4	32	Ø36x661
AP-LS-500 DC	24 VOLT DC	1.5	600/1000N	500	8/4	32	Ø36x761
AP-LS-600 DC	24 VOLT DC	1.5	600/1000N	600	8/4	32	Ø36x861
AP-LS-700 DC	24 VOLT DC	1.5	600/1000N	700	8/4	32	Ø36x961
AP-LS-800 DC	24 VOLT DC	1.5	600/1000N	800	8/4	32	Ø36x1061
AP-LS-900 DC	24 VOLT DC	1.5	600/1000N	900	8/4	32	Ø36x1161
AP-LS-1000 DC	24 VOLT DC	1.5	600/1000N	1000	8/4	32	Ø36x1261



LINEAR ACTUATORS



- 24V DC Input Power Reverse Polarity
- Push/Pull Force 600—1000N
- Wired from Bottom
- Aluminium Construction and finish
- Low Noise Operation
- Ideal for Heavy Duty Windows
- Electronic Overload Cut off
- Endurance Tested for 30,000 Operations
- Optional Colours Available

PART NO	INPUT VOLT-AGE	AMP	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	DIMS MM
AP-LS-300 DC	24 VOLT DC	1.5	600/1000N	300	8/4	32	Ø36x561
AP-LS-400 DC	24 VOLT DC	1.5	600/1000N	400	8/4	32	Ø36x661
AP-LS-500 DC	24 VOLT DC	1.5	600/1000N	500	8/4	32	Ø36x761
AP-LS-600 DC	24 VOLT DC	1.5	600/1000N	600	8/4	32	Ø36x861
AP-LS-700 DC	24 VOLT DC	1.5	600/1000N	700	8/4	32	Ø36x961
AP-LS-800 DC	24 VOLT DC	1.5	600/1000N	800	8/4	32	Ø36x1061
AP-LS-900 DC	24 VOLT DC	1.5	600/1000N	900	8/4	32	Ø36x1161
AP-LS-1000 DC	24 VOLT DC	1.5	600/1000N	1000	8/4	32	Ø36x1261

WATERPROOF LINEAR ACTUATORS



- DC24V safe voltage
- Push/Pull Force 600N,1000N or 1500N optional
- Protection class IP67, water and dust proof
- Simple but delicacy design, low noise operation
- Adjustable stroke optional
- Silver & black standard colors
- Sandblasted oxidative surface treatment
- Electronic overload cutoff
- Endurance tests (30,000 cycles) are carried out

PART NO	INPUT VOLTAGE	AMP	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	STROKE ADJUSTABLE	DIMS MM
AP-LW-100	24 DC	1.5	600	100	8	67	YES	Ø38x422
AP-LW-200	24 DC	1.5	600	200	8	67	YES	Ø38x522
AP-LW-100	24 DC	1.5	1000N	100	4	67	YES	Ø38x422
AP-LW-200	24 DC	1.5	1000N	200	4	67	YES	Ø38x522
AP-LW-700	24 DC	2.5	1500N	100	5	67	YES	Ø38x422
AP-LW-800	24 DC	2.5	1500N	200	5	67	YES	Ø38x522

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RACK AND PINION ACTUATORS



Brackets



Mounting Bracket



Sash Connector

- 24V DC and 230 volt Input Power Options
- Push/Pull Force 600N
- For use with top/bottom/ side hung windows /roof lights and AOVs
- In accordance with BS EN12101-2
- Ideal for Heavy Duty Windows
- Electronic Overload Cut off
- Endurance Tested for 30,000 Operations
- Multi actuator synchronization is available with an extra modual
- Housing material: Aluminium Alloy case with stainless steel pull shaft

PART NO	INPUT VOLTAGE	AMP	FORCE (N)	STROKE (MM)	SPEED MM/S	IP CLASS	DIMS MM
AP-RM-200	24 DC	1	600	200	8	32	31x51x390
AP-LW-400	24 DC	1	600	400	8	32	31x50x590
AP-LW-500	24 DC	1	600	500	8	32	31x50x690
AP-LW-600	24 DC	1	600	600	8	32	31x50x790
AP-LW-700	24 DC	1	600	700	8	32	31x50x890
AP-LW-800	24 DC	1	600	800	8	32	31x50x990



We supply many other types of actuator option so please call for more details.