



# APT

## LOW-PROFILE APARTMENT HOUSE OPERATOR

**2 Year Warranty**



### Applications:

The model APT door operator is designed for use on standard which require over 100 cycles per day.

### Standard Features:

- Logic 2.0 Control Board (L) available for 115V, 208/230V and 460V
- 1/2 HP, 115V single-phase resilient-mount motor for quiet operation
- Industrial ball bearings on output shaft
- Quiet-gliding rail spacers
- Quick disconnect trolley assembly with autoreconnect feature and nylon inserts for quiet operation
- Type C2 wiring standard, B2 easily field set by setting a switch
- Accepts sensing device and standard residential radio receiver
- Heavy-duty 5LV-belt
- 3-button control station
- Control circuit 5V DC (L)
- Motor removable without affecting limit settings
- NEMA1 type electrical enclosure
- Adjustable friction clutch
- Fully adjustable linear-driven limit mechanism
- Trolley track for doors up to 12' high standard
- #48 roller chain drive
- Baked-on high-durability black powdercoat finish
- Door speed approximately 6 to 7 inches per second
- Approximate shipping weight - 130 lbs.

MAXIMUM DOOR AREA (SQ. FT.)					
<b>STANDARD SECTIONAL</b>	—	24 ga. Steel	20 ga. Steel	16 ga. Steel	—
	—	Aluminum Doors	Wood Doors	—	—
	—	Fiberglass Doors	24 ga. Steel Insulated	20 ga. Steel Insulated	16 ga. Steel Insulated
<b>SQ. FT.</b>	—	250	225	150	100

**NOTE:** On steel insulated doors, a 24 ga. back panel is assumed.

OPERATOR AMP RATING (full Load)								
		HP	1/2	3/4	1	1-1/2	2	3
<b>VOLTAGE - PHASE</b>	<b>60 HZ</b>	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		115-1	8.0	—	—	—	—	—
		—	—	—	—	—	—	—
	<b>50 HZ</b>	—	—	—	—	—	—	—



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## Standard Features

**Motor:** Continuous-duty high-starting torque motor with instant reverse and overload protection. Available in 1/2 single phase capacitor start motors. Removable without affecting limit switch settings.

**Drive Reduction:** First-stage heavy-duty 4LV-belt; second and third stages #41 chain; output on trolley #48 chain.

**Wiring Type:** All operators are factory preset to C2 wiring providing momentary contact to open and stop, with constant contact to close. Momentary contact to close (B2 wiring) can be easily set. T and TS wiring can be activated with use of the CPS-L or CPS-LN4. Failsafe wiring can be selected with the addition of a CPS-L, CPS-LN4 or failsafe edge and CPS3 card. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.

**Maximum Run Timer:** Standard feature that protects against damage to the door and operator. Any time a closing door takes 10 seconds more than its programmed standard cycle time, the door will stop.

**Programmable Mid-Stop:** Allows the door to stop at mid-point during open travel.

**Delay-on-Reverse Circuit:** A one-second delay-on-reverse circuit to prevent premature door and operator wear.

**Low-Profile Design:** Low-profile design can be ceiling-mounted for low headroom applications.

**External Radio Control Terminal:** Quick, convenient connections for retrofitting or adding radio controls on logic or mechanical operators.

**Bearings:** Industrial ball bearings on the output shaft; heavy-duty, oil-filled on reduction shaft

**Friction Clutch:** Adjustable, helps protect against major damage to door and operator should the door meet an obstruction.

**Construction:** NEMA 1 type electrical box, heavy-duty 11-gauge steel frame with durable powdercoat finish, all reduction sprockets drilled and pinned to shafts.

**Push Button Station:** 3-button station comes standard and has open/close/stop functionality.

**Rail Assembly:** High-strength dual L-rail track and quick-mount header bracket which provides fast, swing-up installation.

## Control Accessories

**CPS® Commercial Protector System®:** (recommended) A “non-contact” photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open.

**Sensing Edge:** (recommended) Designed to sense an obstruction and signal door operator to stop or reverse as desired. Either an electric or pneumatic sensing device can be added to bottom edge of door.

## Available Plug-in Options for Logic 3.0 (L3)

**Auxiliary Contact:** Used to operate security, warning, heating or other 5V to 240V devices. Features both normally open and closed contacts that actuate in conjunction with limit switches.

**Warning Signal:** Red/green light module provides safety warning prior to close (when using timer-to-close feature). System also supports audio warning devices and includes down mid-stop feature.

**CPS3 Option:** Enables the addition of a second set of photo-eyes or 2- or 4-wire, self-monitoring edge.

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