

## Electro-mechanical operator

maximum leaf width

14 ft

maximum leaf weight

500 lb



- Designed for light residential, single family use
- Mechanical lock in the open and close position
- Built in manual release in case of power failure
- Simple installation and maintenance.
- Anti-crushing safety thanks to the electronic control board
- UL 325 Compliant



### TECHNICAL SPECIFICATIONS

Input voltage	115 VAC (+10% -6%)
Power	280 W
Current	3 A
Thrust Capacitor	25 uF
Thrust force	719 lbf (320 daN)
Motor	Asynchronous single phase
90° opening time	Approx. 16 sec
Rod stroke	11.4 in (290 mm)
Leaf minimum width	6 ft (1.83m)
Leaf maximum width	14 ft (4.2 m)
Leaf maximum weight	500 lb (226.8 Kg)
Use frequency (cycles per hour)	18
Thermal protection on motor winding	284 °F (140 °C)
Operating ambient temperature	4°F - 131°F (-20 °C to +55 °C)
Protection class	IP 44
Operator weight	14.3 lb (6.5 kg)
Dimensions (L x D x H)	39.3 x 3.5 x 7.7 in (1000x90x195mm)

### NOTE

- Mounting dimensions, wind factor and gate design will affect performance specification
- Use frequency is measured at an ambient temperature of 72 °F 20 °C) . Temperature variation will affect it
- An electric or magnetic lock is recommended for any gate longer than 12 ft (3.6 m)
- Positive gate stops, which limit gate travel, are required in the opened and closed positions

Model	Control Board Enclosure	Shipping Wt (approx)	Part No.
412 Kit for Bi-Parting Gates	10 x 12 in.	50 lb (22.7 Kg)	412BP1.5
	14 x 16 in. prewired	55 lb (25 Kg)	412BP1S.5
412 DX Kit for single leaf Right Hinged Gate	10 x 12 in.	36 lb (16.3 Kg)	412DX1.5
	14 x 16 in. prewired	41 lb (18.6 Kg)	412DX1S.5
412 SX Kit for single leaf Left Hinged Gate	10 x 12 in.	36 lb (16.3 Kg)	412SX1.5
	14 x 16 in. prewired	41 lb (18.6 Kg)	412SX1S.5
412 DX operator for single leaf Right Hinged Gate		20 lb (9.1 Kg)	104475
412 SX operator for single leaf Left Hinged Gate		20 lb (9.1 Kg)	104476

**Note**

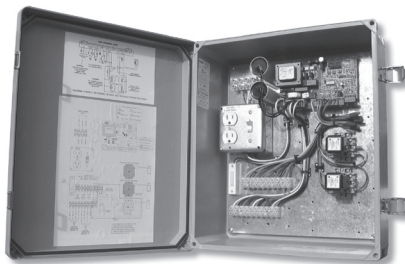
- The right leaf version (RH and LH) can be determined by looking from the inside of the property with gate leaves swinging towards you.

**The package 412 - Kit for Bi-Parting Gates contains:**

Qty	Description	Part Number
1	Operator 412 DX	104475
1	Operator 412 SX	104476
1	Fiberglass enclosure	various
1	455D control panel 115V	790919
1	Receiver 433 RC Plug In	787741
2	4-channel transmitter XT4 433 RC	787453
1	Pair of XP 30 photobeam photocells	785105
2	XP 30 adapters for conduit connection	401064

**The package 412 - Kit for Single Leaf Gates contains:**

Qty	Description	Part Number
1	Operator 412 DX or SX	104475 or 104476
1	Fiberglass enclosure	various
1	455D control panel 115V	790919
1	Receiver 433 RC Plug In	787741
2	4-channel transmitter XT4 433 RC	787453
1	Pair of XP 30 photobeam photocells	785105
2	XP 30 adapters for conduit connection	401064



- Operates a single leaf or bi-parting gate
- Programmable opening and closing slow down
- 8 different function logics
- Built in closing timer
- Fail safe function for photocells
- Opening and closing delays selectable for overlapping gates
- Electrical thrust force adjustable

## 455D 115VAC / 230VAC Control Board

**TECHNICAL SPECIFICATIONS**

Input voltage	115 VAC (+10% -6%) or 230 VAC (+6% -10%)
Input power	10 W
Motor max. load	800 W
Accessory max. load	500 mA
Electric lock max load	15 VA
Operating Temperature	-4°F - 131°F (-20°C - +55°C)
Dimensions overall (L x D x H)	17.5 x 15.5 x 6.2" (445x393x157mm)
Weight (without batteries)	15.5 Lbs (7 kg)
Protection class	NEMA type 3, 3R, 4, 4X, 12 and 13
Number of operating logics	8
Protection Fuses	2