Automated Systems
for Swing-leaf Gates
High Voltage

RESIDENTIAL

415

Electro-mechanical operator

maximum leaf width

15 ft

maximum leaf weight

700 lb



- "In-axis" thrust operator.
- Die-cast aluminium body, entirely double-coat painted for longer life.
- Manual release device with simplified key-protected activation.
- Built in sealed limit switches that can be used for slowdown or stops
- Horizontal exit for cables to allow near to ground installation (low installation).
- UL 325 Compliant

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TECHNICAL SPECIFICATIONS

Input Voltage	115 VAC (+10% -6%)
Power	300 W
Current	2.6 A
Thermal protection	284 °F (140 °C)
Thrust capacitor	25 uF
Thrust force	674 lbf (300 daN)
Motor	Asynchronous single phase
Rod stroke	15.7 in (400 mm)
90° opening time	approx. 19 sec
Leaf minimum width	7.5ft (2.3m)
Leaf maximum width	15 ft (4.6 m)
Leaf maximum weight	700 lb (317.5 Kg)
Usage frequency (cycles per hour)	25
Operating ambient temperature	4°F - 131°F (-20 °C to +55 °C)
Weight of operator	17.6 lb (8 Kg)
Dimensions (L x D x H) in mm	35.6 x 4.1 x 5.8 in (940x105x148 mm)
Protection class	IP 54

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)

415

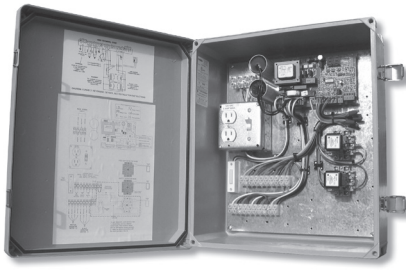
Model	Control Board Enclosure	Shipping Wt (approx)	Part No.
415 Basic Single Kit	10 x 12 in.	46 lb (20.9 Kg)	1044182.5
	14 x 16 in. prewired	51 lb (23.1 Kg)	1044182.5L
415 Operator only		25 lb (11.3 Kg)	1044182

The package 415 - Basic Single Kit contains:

Qty	Description	Part Number
1	Operator 415	1044182
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

To make a master/slave (bi-parting) kit add this part

Qty	Description	Part Number
1	Operator 415	1044182



455D 115VAC / 230VAC Control Board

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

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 betteries)	15.5 Lbs (7 kg)
Protection class	NEMA type 3, 3R, 4, 4X, 12 and 13
Number of operating logics	8
Protection Fuses	2