

S418

Electromechanical swing gate operator

maximum leaf width

10-16 ft

maximum leaf weight

720 lb



- Sleek design
- Built-in opening and closing mechanical stops
- Effective stroke of 13.8 in. (350mm)
- New "multi-position" bracket for non-welded installation
- Maximum safety thanks to the E024U control board reverse on contact feature
- Built in battery backup to ensure operation in case of power outage
- Compliant with UL325 for Class I,II,III and IV applications



TECHNICAL SPECIFICATIONS

Input Voltage	24 Vdc
Max Power	35 W
Maximum thrust	404 lbf (180 daN)
Rod stroke	13.8 in (350 mm)
Rod stroke without mechanical stops	15.3 in (390 mm)
Minimum time to open 90°	10 sec
Operating ambient temperature	-4°F - 131°F (-20°C - +55°C)
Max leaf opening angle	110°
Use frequency	continuous
Operator Weight	13.2 lb (6 kg)
Dimensions (L x D x H)	32.5 x 4 x 4.9 in (825x104x125mm)
Protection class	IP 54

Gate Length	Max Gate Weight
10 ft (3.0 m)	up to 720 lb (326 kg)
12 ft (3.7 m)	up to 500 lb (227 kg)
14 ft (4.3 m)	up to 370 lb (168 kg)
16 ft (4.9 m)	up to 280 lb (127 kg)

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).

S418

Model	Shipping Wt (approx)	Part No
S418 - Single Kit	48 lb (21.8 Kg)	104301.5
S418 - Secondary Kit	38 lb (16.8 Kg)	10430115.5
S418 - Operator only	18 lb (8.2 Kg)	10430115
S418 - LE Single Kit	48.5 lb (22 Kg)	999001.1
S418 - LE Dual Kit	66 lb (30 Kg)	999002.1
S418 - Basic Single Kit reflective photobeams	48 lb (21.8 Kg)	104012.5

The package S418 - Single Kit contains:

Qty	Description	Part Number
1	Operator S418	10430115
1	E024U Enclosure Kit	3350.1
2	Batteries 12V 8 Ah	3540
1	Receiver 433 RC Plug In	787856
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 S418 - Secondary Kit contains:

Qty	Description	Part Number
1	Operator S418	10430115
1	Junction Box for electrical connections	3361.1
40*	Cable AWG 12 - 2 conductors (operator) - 1 ft	2197

(*) The AWG 12 cable can be used for connections of up to 50' of length between the operator and the control board.

NOTE: For a bi-parting application add a Secondary Kit.

The package S418 - LE Single Kit contains:

Qty	Description	Part Number
1	Operator S418	10430115
1	E024U Enclosure Kit type LE	3350LE.1
2	Batteries 12V 8 Ah	3540

The package S418 - LE Dual Kit contains:

Qty	Description	Part Number
2	Operator S418	10430115
1	E024U Enclosure Kit type LE	3350LE.1
2	Batteries 12V 8 Ah	3540

E024U 24V Control Board



- UL325 and UL991 safety standard compliant
- Powerful and efficient switching Power Supply
- Easy Programming with trimmers and dip switches
- One pushbutton automatic time learning
- Self resetting fuses
- Built-in battery backup
- Low current idle mode to preserve battery
- Opening and closing delays selectable for overlapping gates
- Speed and force adjustable with trimmers
- Control Board firmware upgradable via USB
- Solar Powered option

TECHNICAL SPECIFICATIONS

Input Voltage	115 VAC (+10% -6%)
Input power	400 W max - 4W stand by
Motor output current max	7 A
Accessory Power	24 Vdc - 500 mA
Operating Temperature	-4°F - 131°F (-20°C - +55°C)
Dimensions	17.5 x 15.5 x 6.2 in (445x393x157mm)
Weight (without batteries)	15.5 Lbs (7 kg)
Protection class	NEMA type 3, 3R, 4, 4X, 12 and 13
Operating logics	Semiautomatic (E); Automatic (A); Security (S); Semiautomatic step by step (EP); Automatic step by step (AP); Security step by step (SP); Manned pulsed (B); Manned constant