

## Electromechanical swing gate operator

maximum leaf width

15 ft

maximum leaf weight

700 lb



- "In-axis" thrust operator.
- Built in Limit switches.
- Die-cast aluminum body, entirely double-coat painted for longer life.
- Manual release device with simplified key-protected activation.
- Horizontal exit for cables to allow near to ground 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                         |
| Power                         | 70 W                           |
| Thrust                        | 630 lbf (280 daN)              |
| Effective stroke              | 15.75 in (400 mm)              |
| Minimum time to open 90°      | 16 sec                         |
| Leaf max. width               | 15' (4.6m)                     |
| Leaf max. weight              | 700 lb (318 Kg)                |
| Operating ambient temperature | -4°F - 131°F (-20°C - +55°C)   |
| Use frequency                 | continuous                     |
| Operator Weight               | 17.6 lb (8 Kg)                 |
| Dimensions (L x D x H)        | 36 x 4 x 6 in (904x105x148 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).

| Model               | Shipping Wt (approx) | Part No     |
|---------------------|----------------------|-------------|
| 415 - Single Kit    | 58 lb (26.3 Kg)      | 10441811.5  |
| 415 - Slave Kit     | 48 lb (21.3 Kg)      | 104418115.5 |
| 415 - Operator only | 25 lb (11.3 Kg)      | 104418115   |

**The package 415 - Single Kit contains:**

| Qty | Description                           | Part Number |
|-----|---------------------------------------|-------------|
| 1   | Operator 415                          | 104418115   |
| 1   | E024U Enclosure Kit                   | 3350.1      |
| 2   | Batteries 12V 8 Ah                    | 3540        |
| 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      |

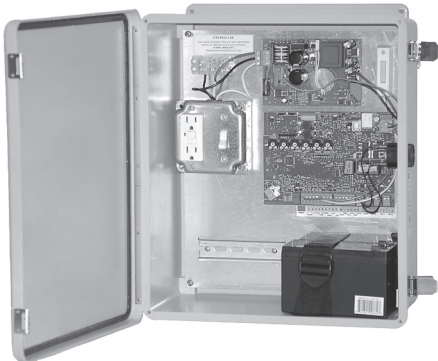
**NOTE:** For a master/slave (bi-parting) application add a Slave Kit.

**The package 415 - Slave Kit contains:**

| Qty | Description                                      | Part Number |
|-----|--|-------------|
| 1   | Operator 415                                     | 104418115   |
| 1   | Junction Box for electrical connections          | 3361.1      |
| 1   | AWG 12 - 2 conductors cable (operator) 40 ft *   | 2197        |
| 1   | AWG 18 - 3 conductors cable (limit switch) 40 ft | 2192        |

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

## 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 |