Automated Systems
for Swing-leaf Gates
Low Voltage

RESIDENTIAL

390

Electromechanical swing gate operator with articulated arm

maximum leaf width

14 ft

maximum leaf weight

600 lb

Intertek

- Non reversing operator, does not require external locks
- Easy to install, no modifications to the gates are necessary
- Ideal for gates mounted on large columns
- Adjustable limit switches (optional)
- 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	40 W
Motor rotation speed	960 r.p.m.
Reduction ratio	1:700
Angle speed	8°/s
Leaf max. width	14 ft (4.3 m)
Leaf max. weight	600 lb (272 Kg)
Max. torque	184 lbf.ft (250 Nm)
Operating ambient temperature	-4°F - 131°F (-20°C - +55°C)
Use frequency	continuous
Operator Weight	25 lb (11.5 kg)
Dimensions (L x D x H)	16 x 5 x 5 in (410x130x130 mm)
Protection class	IP 44

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).

390

Model	Shipping Wt (approx)	Part Number
390 - Single Kit	58 lb (26.3 Kg)	104572.5
390 - Slave Kit	48 lb (21.3 Kg)	1045791.5
390 - Operator plus two limit switches kit	24 lb (10.9 Kg)	104579.5
390 - Operator only	24 lb (10.9 Kg)	104579

The package 390 - Single Kit contains:

Qty	Description	Part Number
1	Operator 390	104579
2	Limit Switch	390682
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

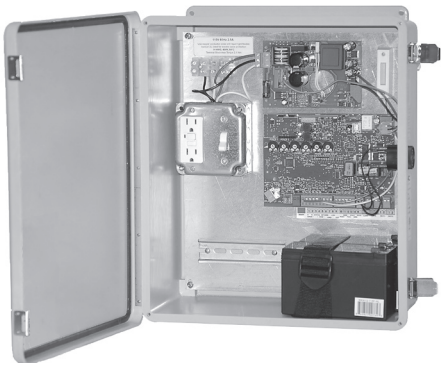
NOTE: For a master/slave (bi-parting) application add a Slave Kit.

The package 390 - Slave Kit contains:

Qty	Description	Part Number
1	Operator 390 with limit switches	104579.5
1	Junction Box for electrical connections	3361.1
1	Cable AWG 12 - 2 conductors cable (operator) 40 ft *	2197
1	Cable AWG 18 - 3 conductors cable (limit switches) 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 betteries)	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