AUTOMATION
SWING ARM

COUGAR

QUALITY
RELIABILITY
SAFETY
SECURITY

Quiet and Smooth Operation System

The COUGAR Swing Arm Motor has been developed with the latest technology creating a winner in auto-gate systems. With specialize design parts n functions it will guarantee safety and durability for you and your family.

KEY FEATURES

- **Double Bearing System**
  - Long life reliability
  - Anti jam at the ending
- **Dirt-Groove Sleeve (ADDED)**
  - Prevent dirt from going into the actuator
  - To prolong the life-span of the actuator
- **Automatic Braking System**
  - To minimize the impact effect when the gate hits obstacle
  - Protection of motor
  - Anti pull the gate
- **Release System (Patent Pending)**
  - No detaching of actuator to free the gate from auto mode
- **4 Start Screw**
  - Replaced the conventional 1 start screw
  - Drives the shaft smoother and quiet
  - Found in high precision equipment
- **The Stylish Housing**
  - Designed with water drainage system in each compartment
  - No water can reach the mechanical parts in the actuator

CONTROL PANEL

BACKUP BATTERY

STOPPER & BRACKET

RELEASE KEY

REMOTE CONTROL

SWING ARM AUTOMATION

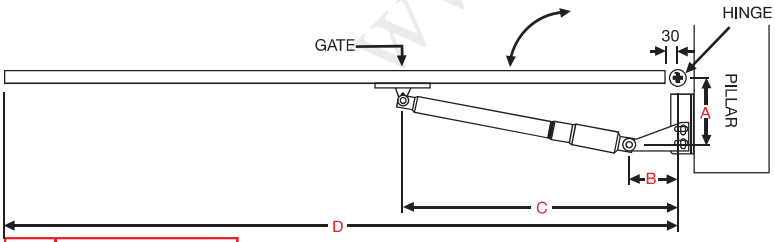
TECHNICAL SPECIFICATIONS

Motor operation voltage	DC 10V ~ 12V for slow speed, DC 18V ~ 24V for high speed
Max. output power	80W per actuator
Driving Method	Special 4 start ball screw
Stroke speed	2.4cm/second
Operation cycle	10 sec. per 90 degree (Approx)
Motor Amp. per actuator	1.2Amp
Shaft stoke	315mm
Motor gear box	Heavy duty three stages planetary reducer, long life reliability
Operating Temperature	0°c to 80°c (degree)
Max. weight of gate	350 kgs per wing
Max. length of gate	3 meter per leaf
Manual operation	Special released key during power failure
Back-up Battery	12 Volt 7AH rechargeable
Safety detection	PWM current detection and high AMP current sensor
Safety barrier	Infrared photo beams sensor (Optional)
Unique features	Special designed for gear motor self-alignment

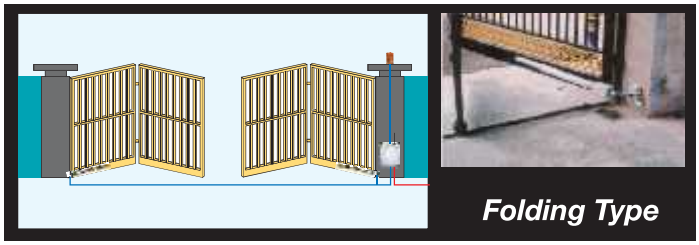
* Normal run current : 0.3Amp ~0.5Amp
Overload current : 1Amp

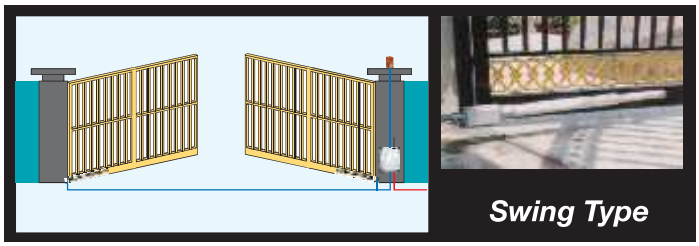
DIMENSIONS

DIMENSION GUIDE TO CONSTRUCT A SWING GATE

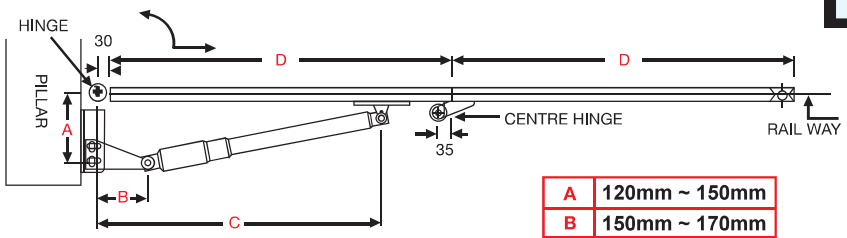


A	120mm ~ 150mm
B	150mm ~ 170mm
C	800mm ~ 820mm
D	min 1000mm





DIMENSION GUIDE TO CONSTRUCT A FOLDING GATE



A	120mm ~ 150mm
B	150mm ~ 170mm
C	800mm ~ 820mm
D	min 1000mm

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