

# Sentinel PR Articulated Arm Swing Gate Operator

Fast opening 24 Vdc gate opener — suitable for gates up to 3 metres



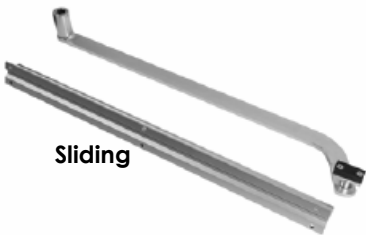
*The Sentinel PR swing gate opener is the perfect solution for the gate system installed on very large brick piers.*

*With a maximum distance of 305mm from the pivot point of the gate hinge to the mounting bracket of the motor, the Sentinel PR might be the only option for those large piers.*

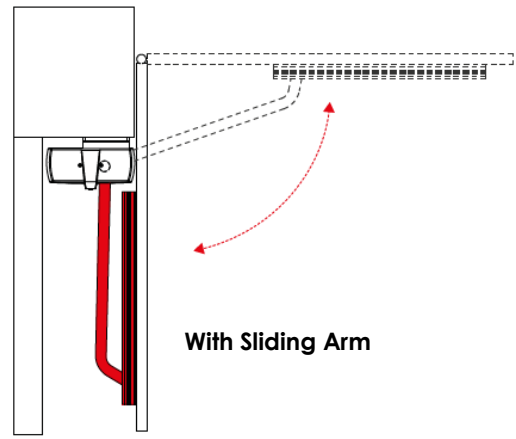
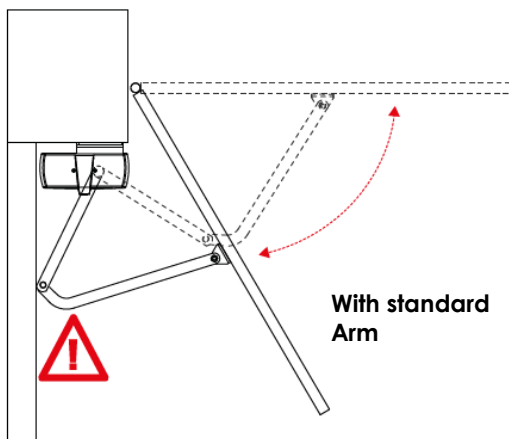
*Combined with build quality, strength, and fast opening the times, the PR is also a very simple installation for retrofit automation jobs.*

The Sentinel PR swing gate opener's clever accessories provide solutions for dealing with some of the most common problems in situations with limited side space, or a sloping road.

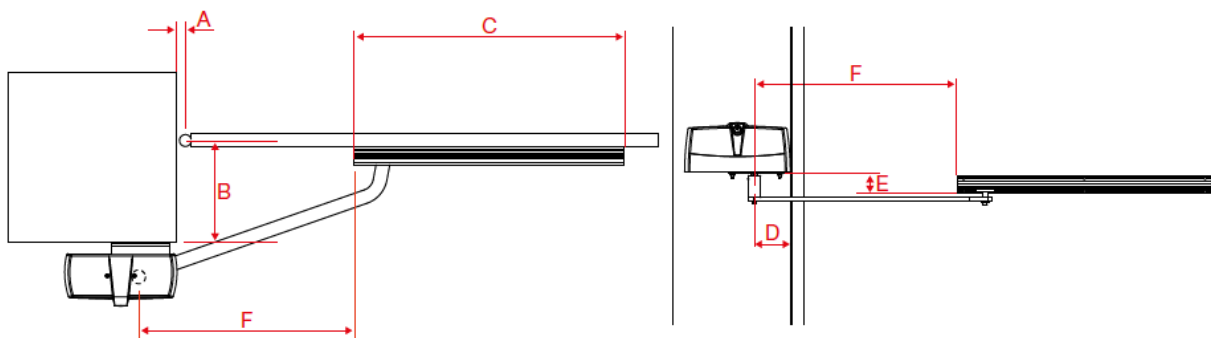
## Sliding Arm for installation in tight spaces



The sliding arm is the ideal solution for installations with limited or absent side space due to the presence of an obstacle (a wall, a fence, etc.) where the side space does not allow the installation of the traditional arm. The horizontal sliding of the arm solves the space problem associated with the "elbow movement" of the arm. Available in right and left hand versions.



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
min: 50 mm / max: 100 mm	min: 0 mm / max: 325 mm	800 mm	115 mm	63 mm	670 mm



## Longitudinal plate for installation in posts with reduced dimensions

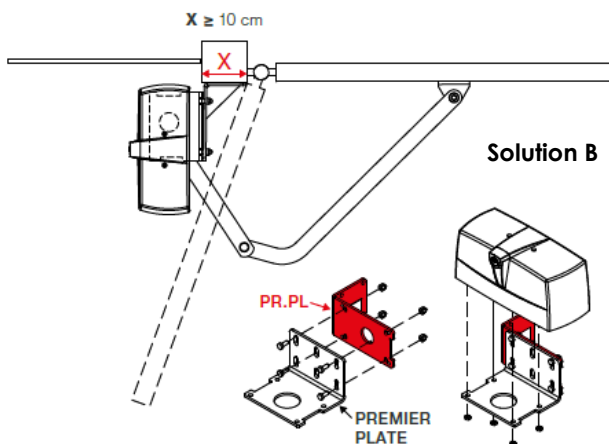
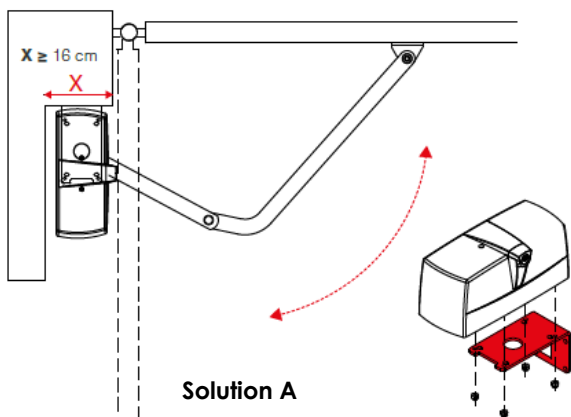
In situations where the posts are small or side space does not allow the installation of the motor in parallel with the passage way, the longitudinal accessory plate makes it possible to install the operator lengthwise.

Installing the motor perpendicularly to the passage way, as shown in **Solution A** means the motor can be located even in spaces characterised by only 16 cm depth.

Another option in which the plate for the perpendicular mounting of the motor Sentinel PR can be useful, concerns gates characterised by posts of small size (up to 10 cm length), as shown in the **Solution B**.



**Longitudinal Plate**



## Self aligning arm for use on gates with rising hinges

The self aligning arm is ideal for installations on swing gates with inclined driveways, where the movement of the traditional arm would not be possible.

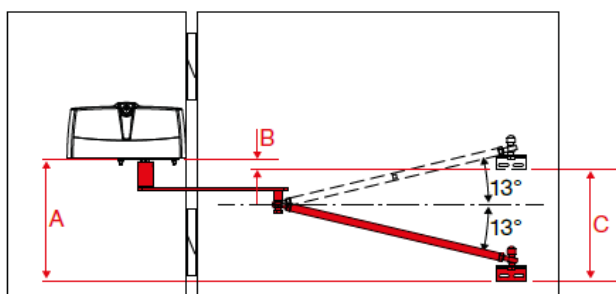
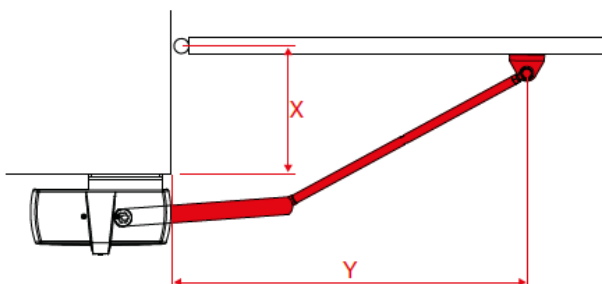
The self aligning arm makes the installation of the articulated arm possible by allowing the correct movement of the arm through 13° that adjusts the movement to the sloping area (up to 22,69%), as shown below.



**Self aligning arm**

X (mm)	Y (mm)
50 mm	883
150 mm	851
200 mm	828
250 mm	800
300 mm	785

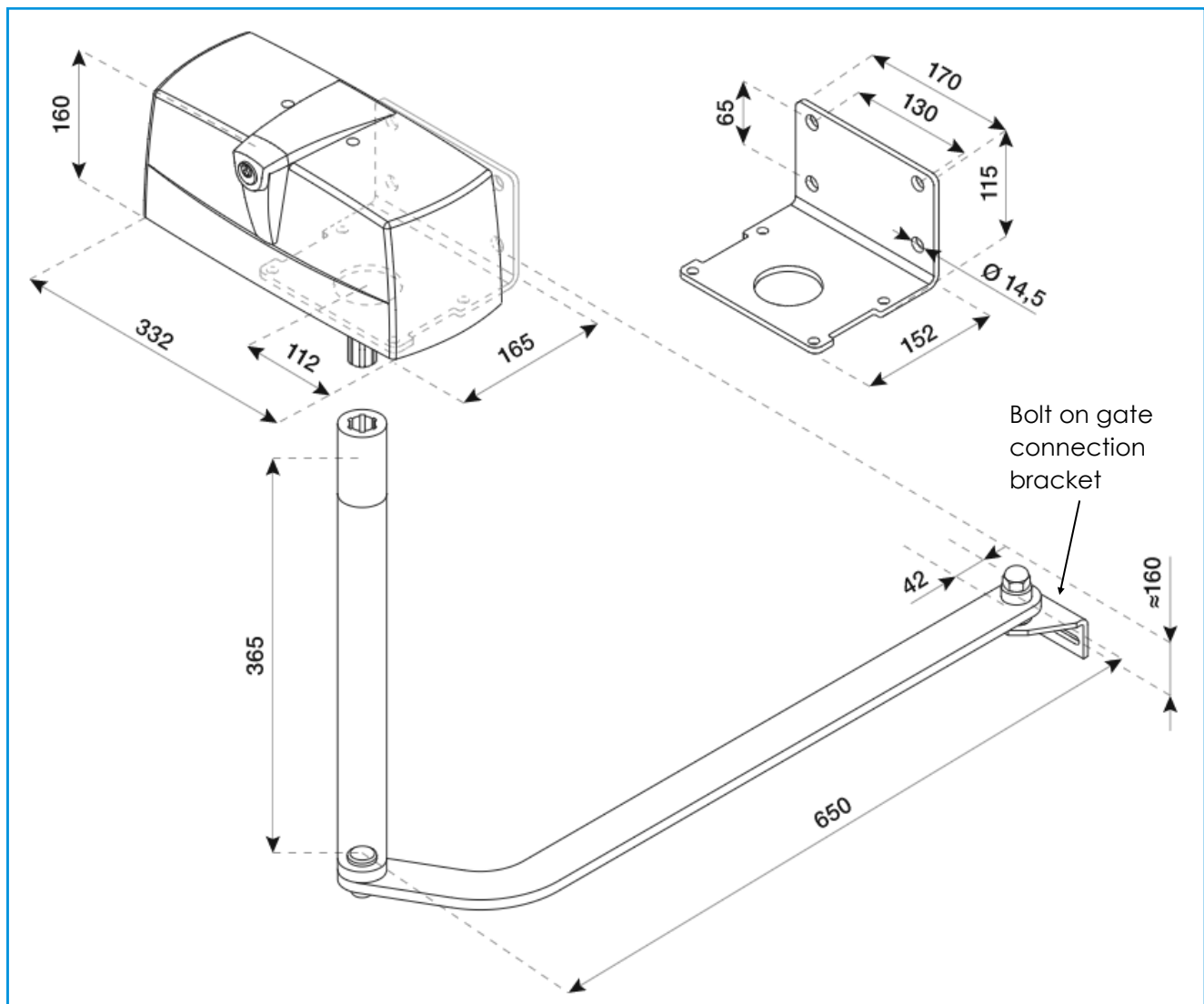
A (mm)	B (mm)	C (mm)
335 mm	30 mm	305



## Technical Specifications

Specifications	Sentinel PR Swing Gate Opener
Power Supply	230 Vac (50-60Hz)
Motor Supply	24 Vdc
Max absorbed current	1.45 A
Torque	300 Nm
Opening time	9 seconds
Duty cycle	Intensive
Protection level	IP44
Operating temperature	-20°C /+50°C
Leaf max dimension	3.0 m
Weight	10.5 kg

## Dimensions



# BRAINY24+ CONTROL PANEL

The Brainsy 24+ control panel is supplied as part of the kit and accommodates mounting of additional equipment such as loop detectors etc.

## KEY FEATURES

- Suitable for use with 1 or 2 operators
- Built-in battery charger
- Integrated LCD display
- Integrated 433.92 MHz 64-code receiver
- Automatic, semi-automatic and deadman's control
- Separate limit switch inputs for each motor
- Open, close, step by step, pedestrian and stop inputs
- Output for electric lock 12 Vdc
- Output for configuration as second radio channel or service light
- Gate open indicator
- Separate electronic torque adjustment for each motor
- Anti-crushing safety through encoder management
- Separate adjustable slowdowns for each motor
- Advantouch system to configure parameters and manage radio transmitters
- Programming access password protected
- Maintenance warning
- Power supply: Control unit 240 Vdc – 50/60 Hz power supply; Motor 24 Vdc



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