



SLED



PRODUCT TECHNICAL DATASHEET

SLED



SWING



SLIDING



CANTILEVER



SLED

BRUSHLESS IPU TECHNOLOGY low voltage electromechanical gear motor for intensive use, 50 reversible, on-board power inverter with integrated digital encoder, ideal for leaves up to 1.8 m, without arms.



Brushless



Intensive Use

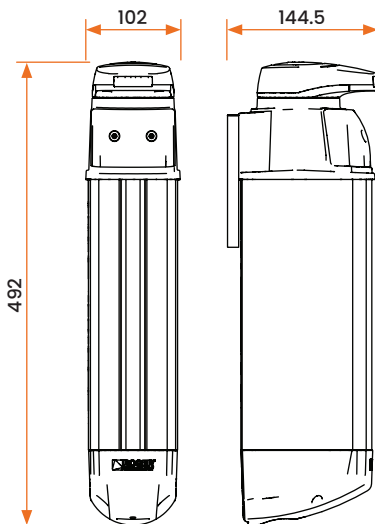


IPU Technology



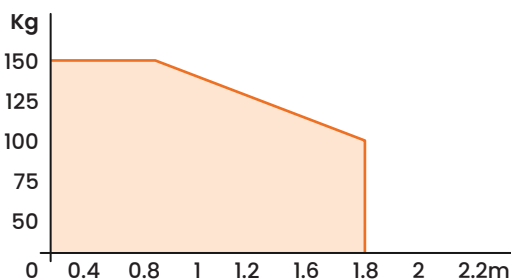
Digital Encoder

Dimensions



Note: All measurements in the drawings are in millimetres

Operating Limits



Max Gate Weight	Up to 150kg per leaf
Maximum Gate Length	Up to 1.8m per leaf
Power Line Supply	230V AC - 50Hz
Motor Power Supply	36V
Power Rating	200W
Duty Cycle	100% Intensive Use
Thrust	150Nm
Operating Temperature	-20+55°C
Protection Level	IP44
Reductor Type	Reversible
Manoeuvre Speed	0.6 - 6.6 Rpm
Opening Time at 90°	6 - 30s
Limit Switch	Mechanical stoppers on opening and closing only with LT341 accessory
Encoder	Digital encoder + SENSORLESS 4096 PPR
Digital Controllers	F70/IPU36/BOX - F70/IPU36/BOX/SL
Batteries Recovery	3 external batteries 12V DC 4,5 Amp/h (on external box) - Optional
Operating Cycles Per Day	400000



SWING



SLIDING



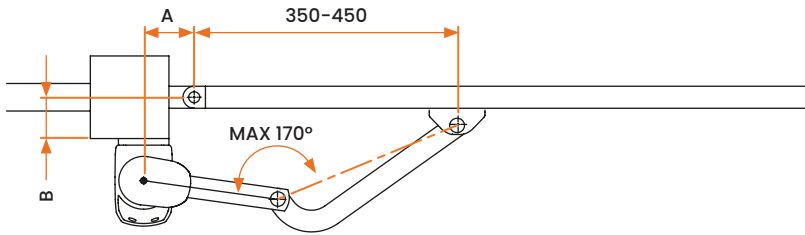
CANTILEVER



SLED

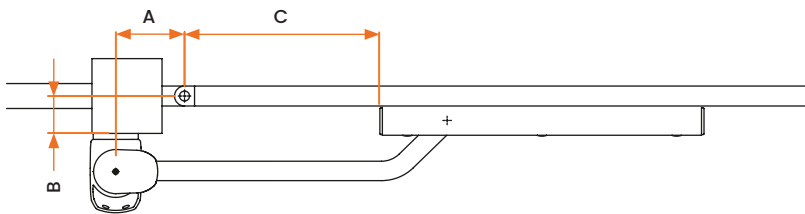
Preparation for standard installation

Short lever for articulated arm

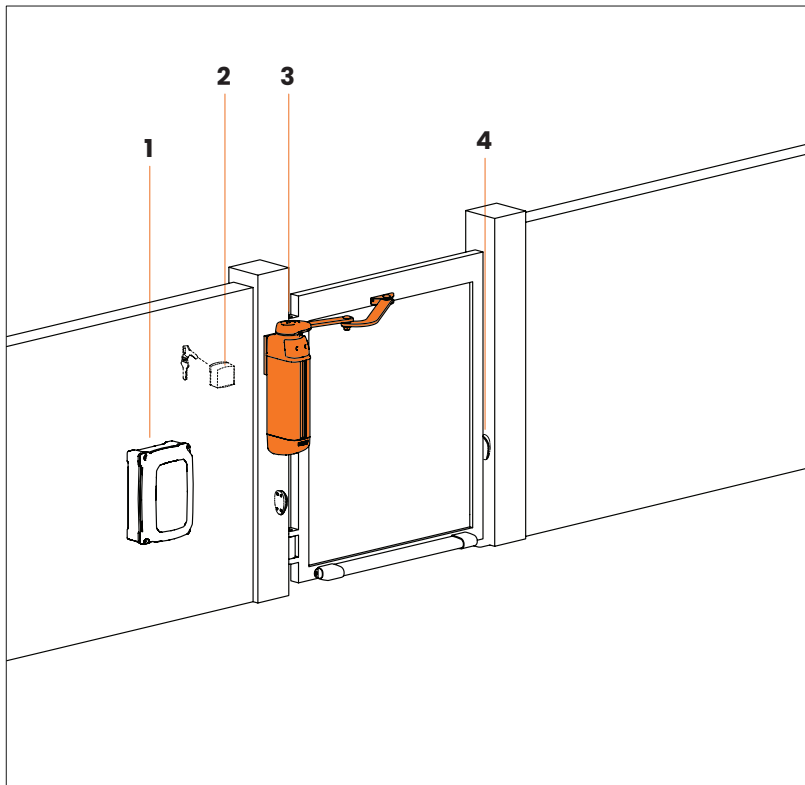


A (mm)	B (mm)	α°
90	50	90°
120	60	95°
150	100	95°
180	100	95°
200	120	95°

Slide lever for articulated arm

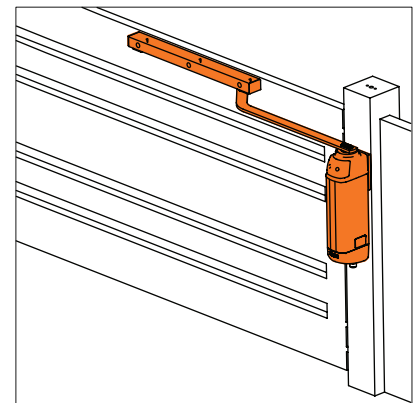


A (mm)	B (mm)	C (mm)	α°
120	50	400	90°
150	100	400	100°
200	50	350	105°
200	100	300	105°
250	100	300	100°

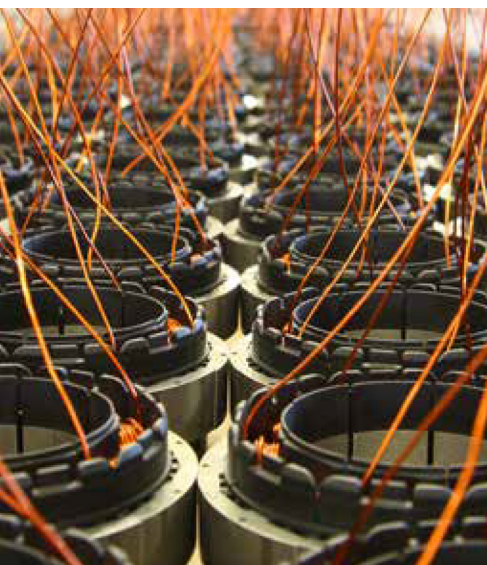
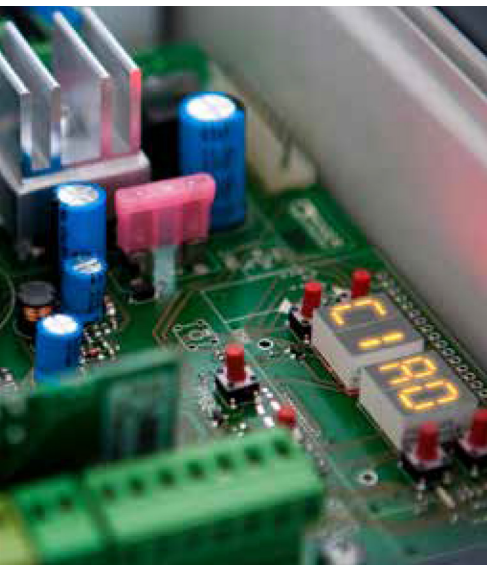


Typical Ped Gate Set Up

1. Control Box
2. Keypad/Exit Button
3. Motor
4. Safety Beam



with Slide Arm



- ◆ **Brushless Digital Motor**
with low 36V, extremely compact and powerful. It operates at ambient temperature making it suitable for extremely intensive use with low energy consumption.
- ◆ **Intelligent Processing Unit (IPU)**
is the new patented control unit to manage the Brushless automation systems with on board PMC inverter.
- ◆ **Programming and Features**
include a backlit graphic display, language relevant menus, stroke self-programming functions, graphic command and safety device view, alarm management and manoeuvre counter.
- ◆ **High Speed RS485 Modbus**
connection allows monitoring of all motor operating parameters in real time and synchronizing the action of two automation systems.
- ◆ **Reversible Gearbox**
that allows opening and closing of the gate manually at any time.
- ◆ **Main Output Shaft**
is obtained through a billet rolling process, making it suitable for extra intensive use at high speed, for gates up to 1.8W and 200KG.
- ◆ **Slide Arm**
with sliding roller and adjustable double mechanical stop to manage the opening and closing limit switches.
- ◆ **Articulated Arm**
are available for SLED automation systems to ensure full adaptability to any type of installation.
- ◆ **Aluminium Profile With Led Set-Up**
designed to house a RGB LED strip with traffic light, flashing and multicolour function.
- ◆ **Sustainability**
Roger Technology is a green customer-centric company dedicated to creating sustainable products through environmentally responsible production processes, innovative technologies, and a culture that prioritizes the health, safety, and development of its workers and customers.