



SERVICING W.A | RESIDENTIAL & COMMERCIAL



T E C H N I C A L D A T A S H E E T

S M A R T Y



Electromechanical actuator **HIGH SPEED BRUSHLESS**, low voltage, super intensive use, irreversible, **Smarty 4/HS** gates up to 400kg and 4m wide with mechanical stopper in opening and closing. **Smarty 7** gates up to 700kg and 7m wide with built in digital controller.

Variant SKU	Smarty 4	Smarty 7
Max Gate Weight	400kg	700kg
Max Gate Length	4m per leaf	7m per leaf
Opening Time at 90°	15-25s	35-50s
Power Line Supply	230V AC - 50Hz	
Motor Supply Voltage	36V AC	
Power Rating	200W	200W
Duty Cycle	100% Intensive Use	
Thrust	600 - 4500N	600 - 7000N
Operating Temperature	-20+55°C	
Protection Level	IP44	
Reductor Type	Irreversible	
Limit Switch	Mechanical stopper in opening and closing (Optional)	
Backup Batteries	Optional 2 external battery 12V 7AH (Separate Enclosure)	
Control Board	EDGE-1	
Encoder	Digital encoder SENSORLESS 48 PPR	
Manoeuvre Speed	2.1 cm/s	1.6 cm/s
Stroke	370mm	520mm

ROGER TECHNOLOGY

SMARTY 4/7



15-50s



400-700



Warranty


 100%
Duty Cycle

Recommended Accessories:



Remote

Universal Control System



Back-up Battery

External Battery Back-up 36V



Pro Mount

Fits a 100mm square post

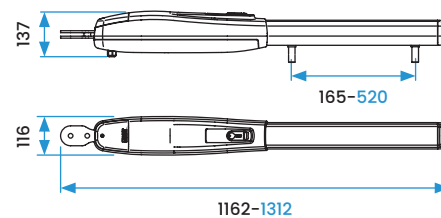


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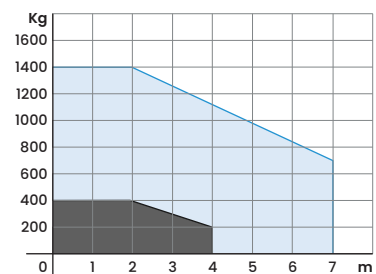
15m Range

Dimensions:

SMARTY4/HS - SMARTY 7

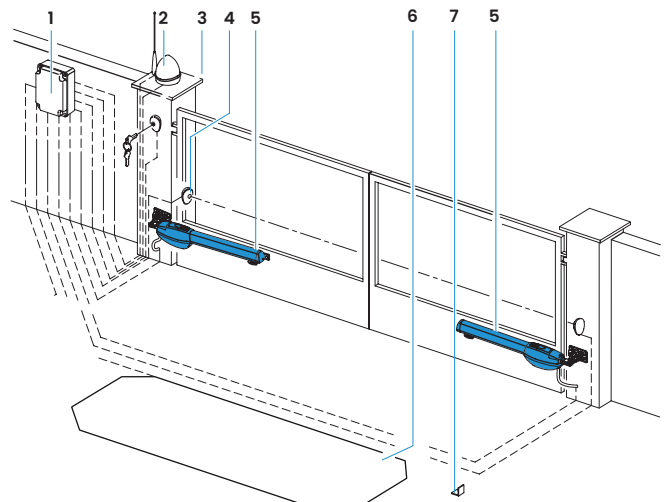


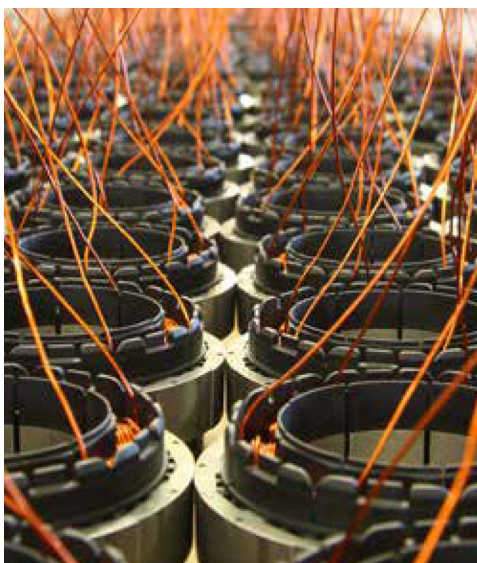
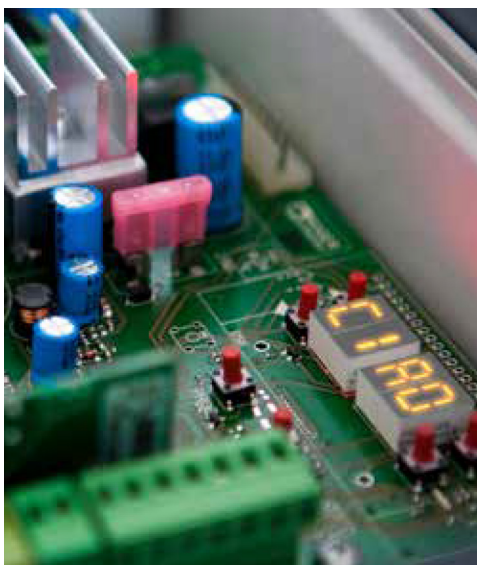
Operating Limits

 ■ Smarty4/HS
 ■ Smarty 7


Typical Swing Gate Set Up

1. Control Box
2. Antenna/Fashing Light
3. Keypad/Exit Button
4. Safety Beam
5. Motor
6. Loop Detector/Probe
7. Gate Stop





▪ **Brushless Digital Motor**

Features a compact design with neodymium iron-boron magnets, available in 24V & 36V AC versions, operating at ambient temperature with low consumption.

▪ **Speed & Acceleration With Maximum Safety**

Controls motor torque precisely for smooth acceleration and deceleration, ensuring safety.

▪ **Super Intensive Use**

Operates at low voltage with a 100% duty cycle, maintaining low energy consumption.

▪ **External Transformer For Heavy Gates**

Low voltage options reduce installation costs where high voltage is unavailable.

▪ **Extremely Low Energy Consumption**

Consumes about 1/3 the power of other brands for the same gate weight and speed.

▪ **Amazingly Quiet**

Precision gearing and smooth torque control result in very quiet operation, ideal for residential applications.

▪ **Mechanical Stops**

Worm drive with mechanical stops.

▪ **Standby Batteries**

Emergency battery backup system available, with optional 'fail open' setting during power outages.

▪ **Multifunctional Digital Display**

4-quadrant display with 6 function keys for parameter adjustment, error checking, and self-learning.

▪ **High Precision Engineering**

Features premium materials and double shielded ball bearings for precise alignment and durability.

▪ **Reinforced Aluminum Body**

Aluminum housing reinforced with titanium and epoxy-painted for weather protection.

▪ **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.



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