



SERVICING W.A | RESIDENTIAL & COMMERCIAL



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

T O W E R P R O

The unique low-voltage industrial operator 100% duty cycle,
up to 2000 kg, with battery backup.



Designed by Edgesmith. Powered by Roger Technology.

The TOWER PRO is a unique industrial gate operator developed by Edgesmith Australia, featuring the advanced Roger Technology Brushless TOWER110 motor. TW110 with digital controller in pre-wired box, for gates up to 2000kg.

It's a low-voltage system capable of driving gates up to 2000kg, combining industrial power with modern efficiency.

Unlike traditional three-phase high-voltage motors, the TOWER PRO includes a built in **battery backup system**, ensuring your gate remains fully operational even during power outages.

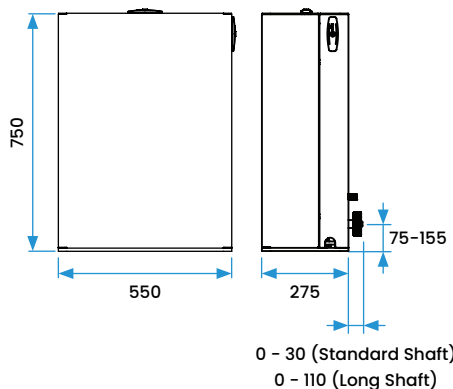
Thanks to Roger's Brushless Digital Technology, the motor delivers a **100% duty cycle**, allowing continuous, non-stop operation.

It also provides exceptional control over speed, soft start and slowdown, and precise obstacle detection — all managed through an ultra-sensitive encoder for maximum safety and performance.

Variant SKU	TW110-1000-HS	TW110-1600-HS	TW110-2000
Max Gate Weight	1000kg	1600kg	2000kg
Max Stroke Length	20m		
Manoeuvre Speed	25m/min (0.42m/s)	21m/min (0.35m/s)	12m/min (0.2m/s)
Power Line Supply	230V AC - 50Hz		
Motor Supply Voltage	36V AC		
Power Rating	240W		
Duty Cycle	100% Intensive Use		
Thrust	1150N	1250N	1700N
Operating Temperature	-20+55°C		
Protection Level	IP44		
Reductor Type	Irreversible		
Limit Switch	Limit Switches (Optional)		
Control Board	B70/1THP		
Encoder	Digital Encoder + Magnetic Digital SENSORED, 4096 PPR		
Type Exit Gear	Z20/mod 4	Z17/mod 4	
Maximum Power Absorption	180W		

Option: Wider pinion available on request.

Dimensions:



Safety. Speed. Control.

Perfect for schools, commercial sites, and high-duty applications where reliability matters most.



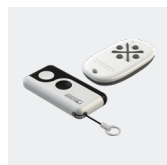
ROGER TECHNOLOGY

TOWER PRO

The Future of Industrial Gate Automation.



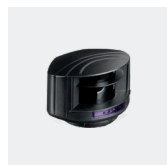
Recommended Accessories:



Remote
Universal Control System



Nylon Rack
Down Lug Rack - 1200kg



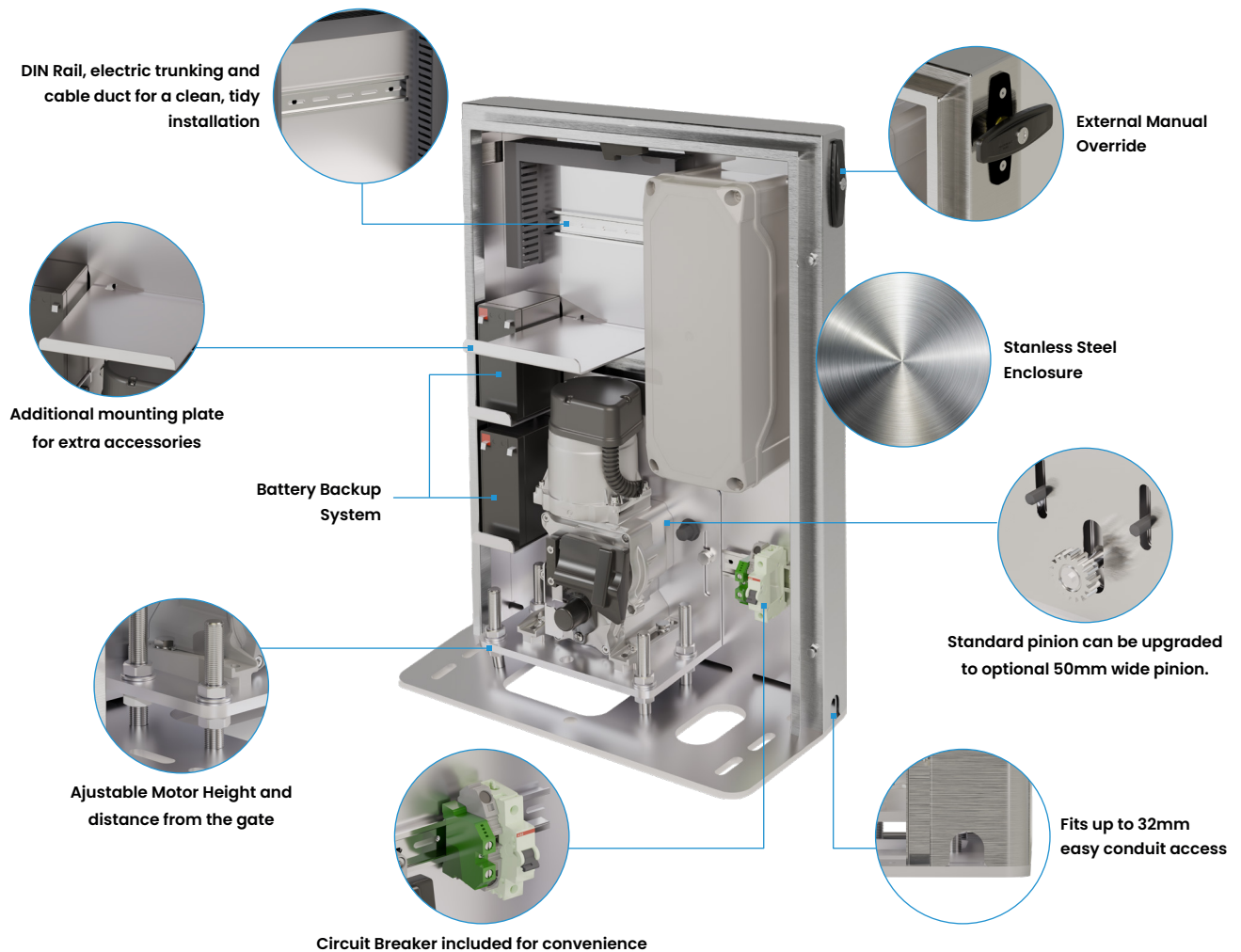
LZR®-H100 Barrier Sensor
Laser sensor for rising barriers



Photocells
15m Range

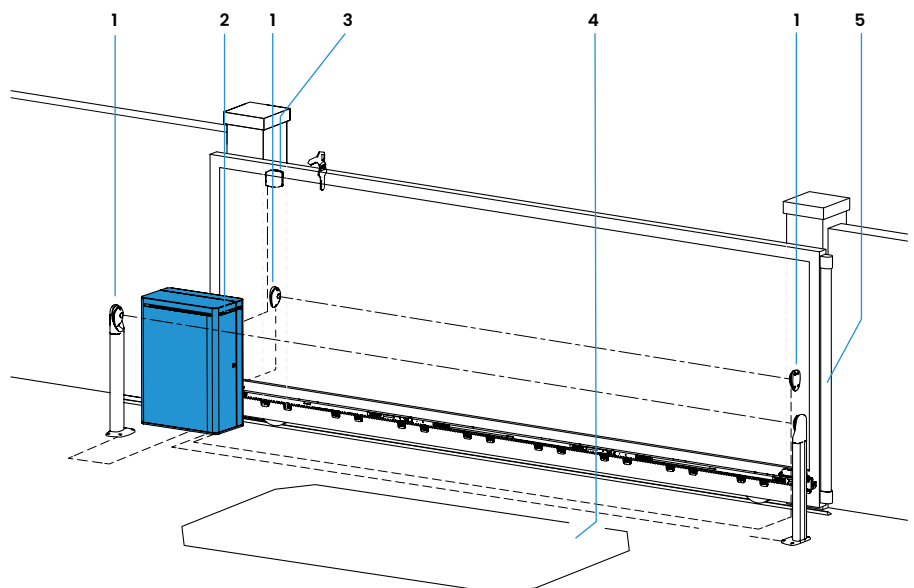


KEY FEATURES



Typical Sliding Gate Set Up

1. Photocells
2. Motor
3. Keypad/Exit Button
4. Loop Detector/Probe
5. Safety Edge





▪ **Brushless Digital Motor**

This motor uses a permanent magnetic field with neodymium iron baron magnets inside the rotor. It has special coil windings and runs on a three-phase 36V AC power system. The motor is compact, operates at ambient temperature, very low energy consumption and for use in high duty cycle applications.

▪ **4096 PPR High Resolution Magnetic Encoder**

This encoder ensures precise control of the motor's movements, especially during acceleration and deceleration and detects obstacles accurately..

▪ **Precision Engineering**

The gear motor is made of aluminum, steel, and bronze. It uses high-quality double-shielded ball bearings for precise alignment and long-lasting, quiet operation.

▪ **Stainless Steel Enclosure**

Unique enclosure with smart features, including a spacious accessory area with mounting plate and DIN rail.

▪ **Lock Release System**

External release key – Clever design pulley system means your end user never needs access inside the enclosure.

▪ **Emergency Battery Back Up**

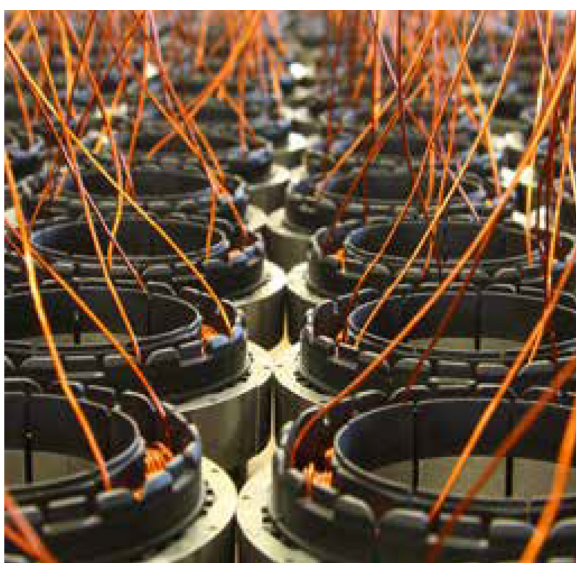
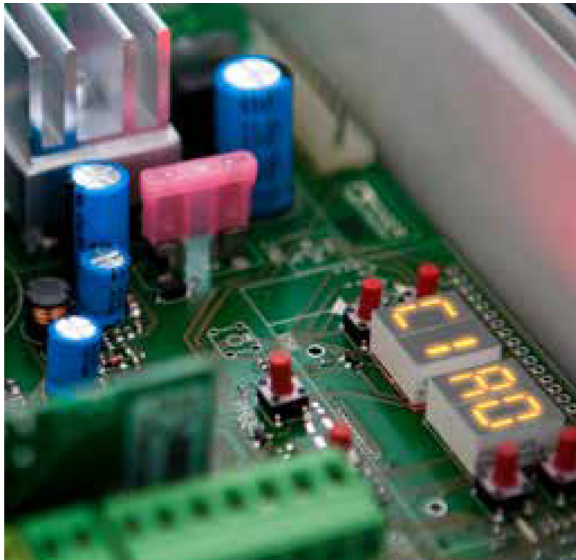
In the event of power failure the batteries fitted inside the enclosure will allow your gate to still operate during power outages, all Tower Pros include 2 x 7Ah batteries.

▪ **Optional Magnetic Limit Switch**

An optional limit switch can be added, taking up minimal space in the automation system.

▪ **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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