CENTURION
THE AUTOMATIC CHOICE

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IT24N
Underground Swing Gate Operators
BENINCA

Reliable and smooth operation with secure closure!

Established 1986

SWING GATE OPERATORS

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Do you require a gate motor that will offer reliable, smooth operation with secure closing and is almost invisible?
Look no further than the **IT24N** underground swing gate system. The operator is mounted flush with the ground coupling, directly to the underside of the gate, to provide effortless opening and closing. It is completely hidden from view so as not to affect the gate's aesthetic appeal.
The battery-driven 24V AC motor, combined with the tried and tested CENTURION CP77 controller, supports a number of useful operating features.
The motor is easy to set up, and most importantly, offers safe anti-crushing operation with power failure protection.

Features and benefits

Battery backup

This operator is driven by two 7Ah batteries which ensure reliable operation even when the lights go out.
For extended power failure autonomy these batteries can be upgraded.

Safe, quiet and reliable operation

It's kind of like having a magic wand. With the touch of a button on your remote control these virtually invisible operators silently, smoothly and powerfully open and close your gate. Their strong performance is matched only by their sensitive safe anti-crushing protection control, keeping you and your family both secure and safe.

Hidden from view - won't impact the aesthetic appeal of gates

Beauty is in the eye of the beholder, and also in your gate design. The IT24N operators are mounted flush with the surface of your roadway and virtually disappear altogether leaving your gates completely unobscured.

Automate gates with limited to no side wall space

Narrow entrances, with limited space between the gate and wall, are no problem for the IT24N. Being mounted beneath the gate itself, these operators are capable of being installed just about anywhere.

Extremely potent and reliable motor reduction unit

Solid mechanical components made of steel to ensure reliable operation and robust long-term strength are coupled to the 24V DC motor which delivers a whopping 360Nm of torque. The IT24N is the ideal operator for large domestic gates or light-industrial applications.

Multiple operating features

Whether you are a one man band, or part of a large, extended family, the IT24N with its CP77 controller has an operating mode to suite your access automation needs. Choose between Standard, Condominium or PIRAC Beam Autoclose modes. In addition there are a whole list of additional features to choose from, such as Pedestrian Opening, pillar light control, free-exit opening, remote gate-status indication, closing safety beams and gate leaf delay.

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Technical specifications

IT24N

Input voltage	220V AC ☆ ± 10%, 50Hz ★				
Motor voltage	24V DC				
Motor power supply	Battery driven ☆ - 1A charger				
Operator peak output torque	360Nm				
Typical gate opening time	< 20 seconds				
Duty cycle - mains present ✱	50% ❊				
Maximum daily operations	200				
Operating temperature	-15°C to +50°C				
Maximum gate leaf width	2m	2.5m	3m	3.5m	4m
Maximum gate leaf mass	550kg	500kg	450kg	400kg	350kg
Allowable wind loading - 30% coverage	80km/h	65km/h	50km/h	40km/h	35km/h
Allowable wind loading - 100% coverage	45km/h	35km/h	30km/h	25km/h	20km/h
Protection rating	IP67				
Boxed shipping weight (operator and foundation box)	20.5kg				
Overall operator dimensions (mm)	350mm x 200mm x 133mm				

★ Can be operated off a solar supply, consult Centurion Systems for assistance

☆ Battery driven with two x 7Ah battery (can be upgraded for longer power failure autonomy)

✱ Assumes a 90° opening gate and optimum mounting position

❊ Based on 25°C ambient temperature and unit not in direct sunlight

Optional features

- Pillar or courtesy light control
- Closing safety beams
- Pedestrian opening
- Free-exit opening
- Leaf delay
- Remote gate-status indicator

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