



CENTURION



R6 SWING

ROTARY SWING GATE MOTOR

A swing above the rest

Centurion Systems is a Company of the
FAAC Simply Automatic Business Unit

FAAC
Simply automatic



Made in
SOUTH AFRICA

**24 MONTH
WARRANTY**

R6

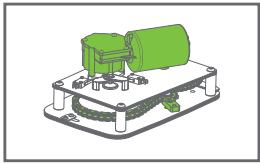
The **R6** is a gate motor of obvious distinction that you'll be proud to own. Its velvety movement is visual poetry and makes the **R6** the latest word in comfort that will not only be a striking addition to your swing gate, but offers stalwart security, convenience and reliability.

And it's built strong, too! Our proven techniques combined with superior engineering and the most robust and durable materials ensures that the **R6** is a long-term companion for your swing gate and a formidable access automation solution for your home.

The **R6** is not only polished and refined, but it's your assurance of peace of mind.



MAIN FEATURES



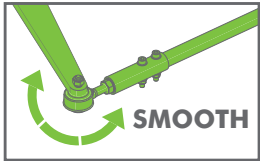
Making lives easier

It's a rotary motor that turns difficult limit procedures on its head! Ingeniously designed and conceived to be intuitive and user-friendly, setting the **R6** for precise, pinpoint stopping just couldn't be easier.



The ultimate in security

The **R6**'s rapid opening and closing help to ensure that you get into your property safely and securely. If you're worried about someone sneaking in behind you, use the Beam Autoclose feature to set your gates to automatically close the moment you have driven in and ruin any criminal's day.



Smooth and reliable

The sinusoidal motion of the **R6** ensures that your gate smoothly accelerates then gradually comes to a gentle stop. Beyond just looking more professional, this fluid movement actually prolongs the lifespan of the motor. No shock-loading means the **R6** will serve you for many years to come.



Upgrade to the best

The innovative mechanical design of the **R6** means it can effortlessly and seamlessly be retrofitted to replace old motors.



Uninterrupted operation

The **R6** boasts our time-proven battery backup, so you can always get in and out – even when the power is out.



Safe and quiet functioning

The **R6**'s geared DC motor is very hush-hush and won't disturb the tranquillity. In addition, sensitive collision detection technology means that your gates can always be operated in complete safety.



So versatile

We've ensured that the **R6** offers the highest level of flexibility and can be adapted to a host of different sites.

ACCESSORIES



1
CENTURION Infrared beams
Always recommended on any automated gate installation



2
WiZo-Link module
Wireless input-output module using mesh network technology creating fully-wireless connections between devices



3
SMARTGUARD or SMARTGUARDair keypad
Cost-effective and versatile wired and wireless keypad, allowing access to pedestrians



4
FLUX SA Loop Detector
Allows free-exit of vehicles from the property - requires ground loop to be fitted



5
CENTURION transmitters
Available in one-, two- and four-button variants. Incorporates code-hopping encryption



6
Gooseneck
Steel pole for mounting intercom gate station or access control reader



7
Solar supply
Alternative means of powering the system - consult your CENTURION dealer



8
G-ULTRA GSM device
The ultimate new GSM solution for monitoring and activating the operator via your mobile phone



9
G-SPEAK ULTRA
Answer your intercom from anywhere for maximum security and convenience



10
Controller wallbox
A fully weatherproof wall-mounted enclosure for the operator's controller, electronics and additional harnesses



11
Drive arm
The drive arm bolts to the operator and connects the operator to the gate via the connecting arm



12
Mounting pedestal
Required to mount the R6 on a fresh site when opting to set the operator into the ground



13
Wall mount bracket
Required to mount the R6 on a fresh site when opting to fix the operator to a wall or pillar. This bracket is compatible with the CP32 and can be used to replace a damaged bracket for a CP32 (Maximate) installation. Requires purchase of the R6 Pedestal Adapter in order to mount an R6 operator to it



14
Adapter bracket
This adapter is used to mount the R6 to the following sites:
• CP32 (Maximate) retrofit (both pedestal and wall bracket)
• New R6 wall bracket



15
Mounting kit
Sold as a kit with the R6 Drive Arm Assembly

TECHNICAL SPECIFICATIONS

| R6 | | | | | |
|--|---|----------------------------|--------------------|--------------------|----|
| Input Voltage CP13E CP84SM | 220V - 240V AC +/-10% @ 50Hz ¹ 90V - 240V AC +/-10% @ 50Hz ² | | | | |
| Motor voltage | 12V DC | | | | |
| Current Consumption (mains) CP13E CP84SM | 80mA 170mA | | | | |
| Maximum DC Current Draw | 16A | | | | |
| Maximum Output Torque Standard-torque operator High-torque operator | 300Nm 390Nm | | | | |
| Power Supply³ Domestic Light-industrial Industrial | 0.8A CP13E, 7.2Ah Battery 1.8A CP84SM, 7.2Ah Battery 1.8A CP84SM, 33Ah Battery | | | | |
| Maximum Daily Operations | Mains present | Back-up² | | | |
| | Double leaf | Single leaf | Double leaf | Single leaf | |
| | Domestic | 20 | 30 | 20 | 30 |
| | Light-industrial | 250 | 250 | 40 | 60 |
| Industrial | 250 | 250 | 250 | 250 | |
| Maximum Daily Continuous Operations | Mains present | | | | |
| | Double leaf | | Single leaf | | |
| | Domestic | 20 | 30 | 30 | |
| | Light-industrial | 50 | 50 | 50 | |
| Industrial | 100 | 100 | 100 | 100 | |
| Typical Gate Operating Time Standard-torque operator High-torque operator | 12s 15s | | | | |
| Mass of Motor Kit ⁴ (excluding pedestal or wall bracket) | 15kg | | | | |
| Collision Sensitivity | Electronic - Adjustable | | | | |
| Temperature Range | -15°C to +50°C | | | | |
| Housing Protection | IP55 | | | | |

1: Can operate off a solar supply, please consult Centurion Systems (Pty) Ltd for assistance.

2: These values are based on fully charged batteries, derate accordingly based on connected ancillaries.

3: Choose appropriate variation based on site requirements.

4: The weight of an operator kit (regardless of Master or Slave).

GATE SPECIFICATIONS

| R6 Standard-Torque Operator | | | | | | | | | R6 High-Torque Operator | | | | | | | | |
|--|-----|------|------|----------------|------------------|----------------|------------------|----------------|--|-------|------|------|----------------|------------------|----------------|------------------|----------------|
| Gate Length (m) | 1.5 | 2 | 2.5 | 3 ² | 3.5 ² | 4 ² | 4.5 ² | 5 ² | Gate Length (m) | 1.5 | 2 | 2.5 | 3 ² | 3.5 ² | 4 ² | 4.5 ² | 5 ² |
| Gate Height (m) | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | Gate Height (m) | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| Max Mass (Kg) | 500 | 500 | 480 | 330 | 240 | 185 | 145 | 120 | Max Mass (Kg) | 750 | 750 | 620 | 430 | 315 | 240 | 190 | 155 |
| Allowable Wind Speed For 25% Clad (Km/h)¹ | 114 | 84.7 | 67.3 | 56.9 | 49.2 | 43.2 | 38.6 | 34.8 | Allowable Wind Speed For 25% Clad (Km/h)¹ | 128.4 | 95 | 76.3 | 64.6 | 55.9 | 49.2 | 43.9 | 39.6 |
| Allowable Wind Speed For 100% Clad (Km/h)¹ | 57 | 42.4 | 33.6 | 28.5 | 24.6 | 21.6 | 19.3 | 17.4 | Allowable Wind Speed For 100% Clad (Km/h)¹ | 64.2 | 47.5 | 38.1 | 32.3 | 27.9 | 24.6 | 21.9 | 19.8 |

1: No wind opening time ~ 12s. Gate opening and closing times will increase as wind speed increases.

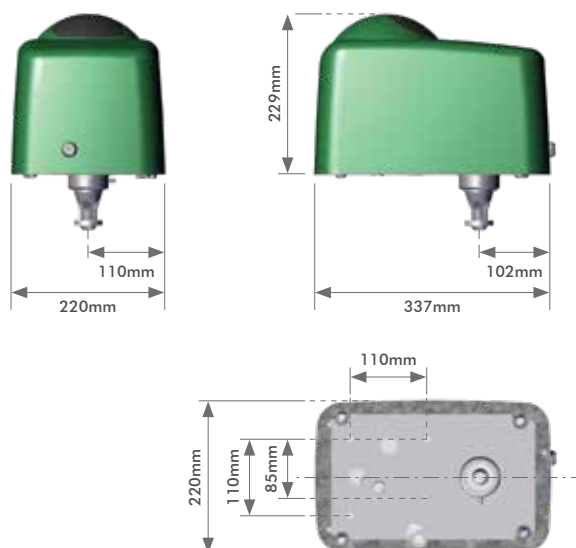
2: Fit an electric gate lock if the leaf width is greater than 3 metres.

1: No wind opening time ~ 15s. Gate opening and closing times will increase as wind speed increases.

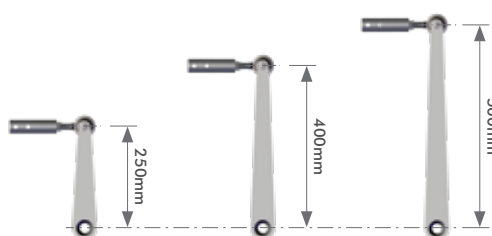
2: Fit an electric gate lock if the leaf width is greater than 3 metres.

OVERALL DIMENSIONS

R6



DRIVE ARMS¹



1: Choose appropriate variation based on site requirements.