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Gate Repair Services 011 463 3025

**24/7**  
365 days  
a year



**R6 SWING**

## **ROTARY SWING GATE MOTOR**

A swing above the rest

For Gate & Garage Motor, Intercom, Electric Fence,  
& CCTV repairs and installations

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## 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

### 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

### 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.

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## ACCESSORIES

SWING GATE  
OPERATORS



**CENTURION Infrared beams**  
Always recommended on any automated gate installation



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



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



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



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



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



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



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



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



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



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



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



**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 on R6 operator to it



**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



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

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## TECHNICAL SPECIFICATIONS

<b>Input Voltage</b> CF13E CFB45M	R6 220V - 240V AC +/-10% @ 50Hz <sup>1</sup> 90V - 240V AC +/-10% @ 50Hz <sup>2</sup>			
<b>Motor voltage</b>	12V DC			
<b>Current Consumption (mains)</b> CF13E CFB45M	80mA 170mA			
<b>Maximum DC Current Draw</b>	16A			
<b>Maximum Output Torque</b> Standard torque operator High torque operator	300Nm 390Nm			
<b>Power Supply<sup>3</sup></b> Domestic Light industrial Industrial	0.8A CF13E, 7.2Ah Battery 1.8A CFB45M, 7.2Ah Battery 1.8A CFB45M, 33Ah Battery			
<b>Maximum Daily Operations</b>	Mains present		Back-up <sup>4</sup>	
	Double leaf	Single leaf	Double leaf	Single leaf
Domestic	20	30	20	30
Light industrial	250	250	40	60
Industrial	250	250	250	250
<b>Maximum Daily Continuous Operations</b>	Mains present		Single leaf	
	Double leaf			
Domestic	20		30	
Light industrial	50		50	
Industrial	100		100	
<b>Typical Gate Operating Time</b> Standard torque operator High torque operator	12s 15s			
<b>Mass of Motor Kit<sup>4</sup></b> (excluding pedestal or wall bracket)	15kg			
<b>Collision Sensitivity</b>	Electronic - Adjustable			
<b>Temperature Range</b>	-15°C to +50°C			
<b>Housing Protection</b>	IP55			

1. Can operate off a solar supply, please consult Coulson Systems (Pty) Ltd for assistance.  
2. These values are based on fully-charged batteries, derive accordingly based on connected ancillaries.

3. Choose appropriate variation based on site requirements.  
4. The weight of an operator kit (regardless of motor or drive).

## GATE SPECIFICATIONS

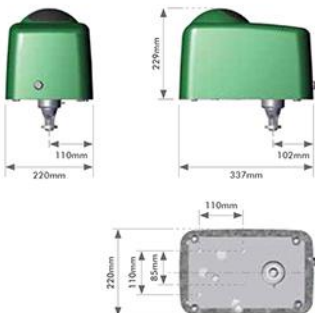
R6 Standard-Torque Operator									R6 High-Torque Operator								
Gate Length (m)	1.5	2	2.5	3 <sup>1</sup>	3.5 <sup>1</sup>	4 <sup>1</sup>	4.5 <sup>1</sup>	5 <sup>1</sup>	Gate Length (m)	1.5	2	2.5	3 <sup>1</sup>	3.5 <sup>1</sup>	4 <sup>1</sup>	4.5 <sup>1</sup>	5 <sup>1</sup>
Gate Height (m)	1.8	1.8	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)	114	84.7	67.3	56.9	49.2	43.2	38.6	34.8	Allowable Wind Speed For 25% Clad (Km/h)	128.4	95	76.3	64.6	55.9	49.2	43.9	39.6
Allowable Wind Speed For 100% Clad (Km/h)	57	42.4	33.6	28.5	24.6	21.6	19.3	17.4	Allowable Wind Speed For 100% Clad (Km/h)	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 ARMS<sup>1</sup>



1. Choose appropriate variation based on site requirements.

1640-02-0001-2510002

Call 0860-CENTURION (0860 226 887) to order or to find out more.  
Technical support line: +27 11 499 2861 (Monday - Friday: 08:00 - 17:00, Saturday: 08:00 - 14:00).  
R6CE Coulson Systems (Pty) Ltd reserves the right to change any product without prior notice.

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