



# G-RGB-DC-ECO

Ranger DC Servo Eco Series Barrier



**RANGER**  
AUTOMATION • REVOLUTION



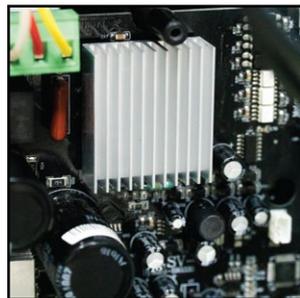
Ranger DC Servo Eco Series barrier with modernity design and combination of white and dark grey body colour concept effectively increase luxurious appearance and get rid of the traditional concept of the past appearance and orange-blue colour.

The Ranger DC Servo Eco Series barrier can be used to manage and maintain several entry points at the same time, both locally and remotely, ensuring the full functionality of accesses in every type of location such as car parks, shopping centres, residential, hotel, hospitals, airports and railway station as well as all other types of small or large public facility.



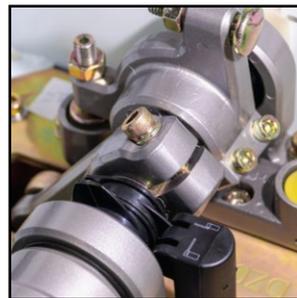
### New Barrier Technology

With using the latest barrier technology *DC Permanent Magnet Synchronous Motor (PMSM)*, servo control.



### Built-in Heat Sink

Improving the heat dissipation and provide a total cooling solution for even challenging thermal environments.



### Reliability

The integration both core and machine ensures smooth and proper operation of the barrier.



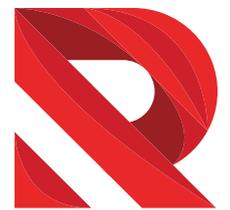
### Practical

The manual release is easy, intuitive and protected by a personal key.



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## Ranger DC Servo Eco Series Barrier



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### DC Brushless Servo Motor

DC Brushless Servo motor doesn't need a carbon brush while brush motor request you replace the carbon brush in a certain time. Galvanized and powder coated parts are anti-rust ensure long term usage.



### Operation Life Span

High efficiency machine core designed for 3 millions opening and closing actions cycle serving life.



### Auto Reverse on Obstacle

Arm auto reverse when hit with an obstacle during closing to prevent scratch on vehicle and avoid injury.



### Built-in Heat Sink

Improving the heat dissipation and provide a total cooling solution for even challenging thermal environments.



### Manual Clutch Design

When power off, turn the handwheel a little, then move the boom by hand.

\*All image and specification is subject to change without prior notice.



Technical Data	G-RGB-DC-ECO3S		4.0 S/5.0 S	
Lane Width	4.5 M		4.5 M	
Open/Close Time	3.0 S		4.0 S - 5.0 S	
Input Voltage	AC220V±10%, AC110V±10%			
Frequency	50/60Hz			
Motor Voltage	DC310V			
Boom Arm Type	Swing Away / Straight / Telescope			
Operation Lifespan	> 3 Million Times			
Protection Grade	IP54			
Max Motor Power	120W			
Max Torque	240N.m			
Max Power Speed	24r/min			
Temperature Range	-35°C ~ +85°C			
Weight ( Not incl. Arm)	50 KG			

### Standard Colours



White Aluminium  
(Similar to RAL9003)



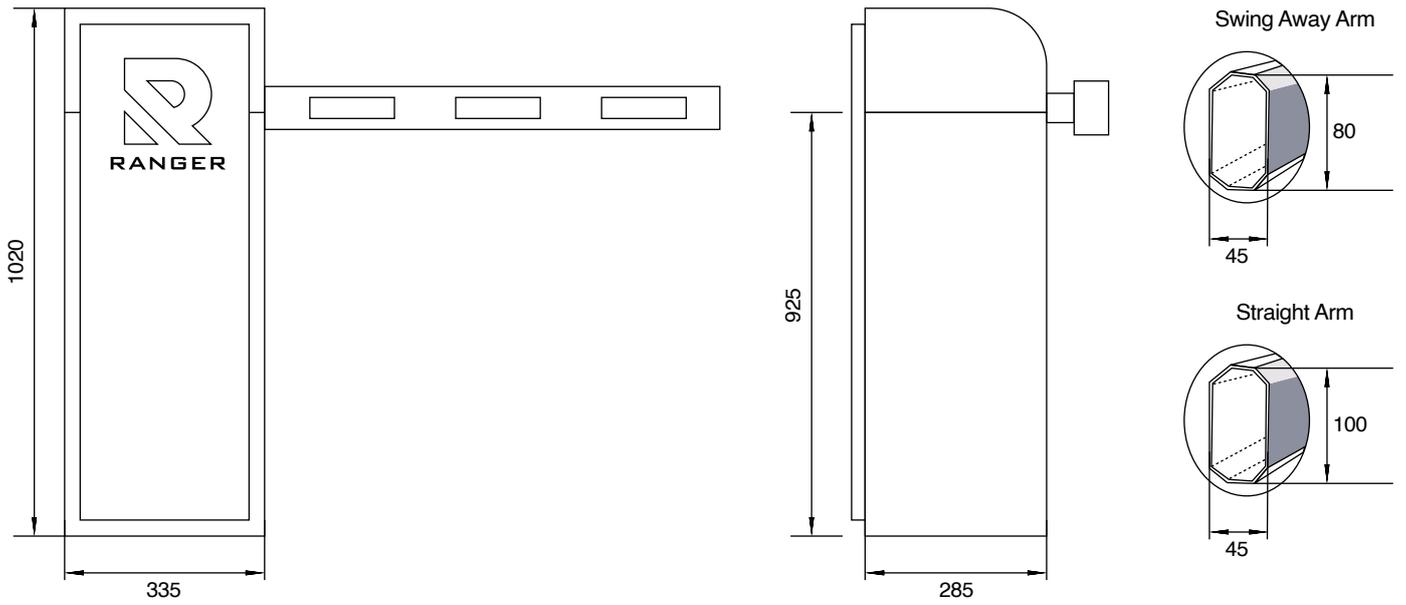
White Aluminium  
(Similar to RAL7031)

### Ordering Info

Model	Boom Arm Length & Type	Open/Closing Speed
G-RGB-DC-ECO3S	4.5 M, Swing Away / Straight / Telescope	3.0 S - 5.0 S

LEFT ARM  
RIGHT ARM

G-RGB-DC-ECO3S-L  
G-RGB-DC-ECO3S-R



Common Accessories

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Gooseneck



Loop Detector



Traffic Light



Safety Sensor



Loop Coil



Photo Cell



Push Button



Long Range Reader