

FIRSTFACTS

Understanding all the fencing jargon, First!

DUTY CYCLE & USAGE

What is Duty Cycle?
Why is it important?



AT A GLANCE



DUTY CYCLE?

The duty cycle for an automated operator is the number of times the gate / barrier can open and close without overheating. The duty cycle is usually expressed as a percentage.



WHAT DOES THIS MEAN?

If the duty cycle of your operator is 50%, it basically means if the motor drives for 20 seconds to fully open and close your system, it then needs to 'rest' for 20 seconds before it operates again.



WHAT CAN GO WRONG?

If the motor doesn't get its required rest period, it can overheat causing the motor to fail. Also, if a motor is running to its max potential regularly, it will mean it needs replacing more frequently.



IT SOUNDS COMPLICATED!

It can be confusing and also make you wonder if you have the correct motor fitted to your gate / barrier. But rest assured, we specify the right product for the right application.

ALL OUR BARRIERS ARE FITTED WITH 100% DUTY CYCLE MOTORS

OUR TOP TIPS:

- If you think your gate / barrier will be opening and closing all day / every day, make sure you let us know. We do offer the best available options, but it is better to be safe than sorry.
- Look at our maintenance packages to keep your motor running smoothly and efficiently.



01283 512 111



sales@firstfence.co.uk

GATE USAGE

How often can you use your gate for and what is its lifespan?

There are a lot of contributing factors to look at for the longevity of your automated system. The following all have an impact on the lifespan of your system.

- Frequency of use - the more it is used, the quicker components will wear out.
- Environmental Factors - if located by the sea or in areas of extreme weather conditions, it is likely your system will need replacing more frequently.
- Duty Cycle Importance - if your system is in a busy commercial setting, make sure it has the highest duty cycle it can.
- Maintenance - without regular maintenance, your system will break down and need replacing.
- Size / Weight - the bigger the system, the bigger the motor needs to be. Make sure it is specified correctly. The bigger the gate, the longer it takes to open/close meaning more wear and tear on the components.

HOW CAN FIRST FENCE HELP?



- **Specification**

Our expert sales team will ask the right questions and get all the information required to offer the best solution for you and your needs.

- **Maintenance**

We offer a range of maintenance packages to suit your system.

- **Replacement Parts**

We can supply replacement parts quickly for most automation brands available in the UK.

- **Consultation & Advice**

Based on your environment and operational requirements, it may be the system you have / want isn't the most practical. We will always offer impartial advice as to what may be a better solution for your needs.



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