



Secure
Access



Robust
Construction



Configuration
Flexibility



Easy
Installation



Connectivity

● Robustness and Elegance for Every Space

The dGate is robust and reliable, designed to last and perform for many years, whether in commercial buildings, clubs, or hospitals. In addition to being durable, it also features a modern design that complements any environment. With dGate, you can be confident that you are choosing a high-quality product that will exceed all expectations while enhancing the beauty of your space.

● Secure Access with Intelligent Control

The dGate features a motorized system for opening and closing the access doors, which are activated after the identification and authorization of the permitted user. A sensor system (located at mid-height and at leg level) is used to detect and prevent unauthorized entry or tailgating attempts, as well as to ensure the personal safety of users. Equipped with operational pictograms, it facilitates use, enhances the user experience, and reinforces access control security.

● Passage Module Configuration

To form a passageway, two modules are always required. On the right side, when observing the passage from the free area toward the controlled area, there will be a Receiver Module; on the opposite side, to the left, there must be a Transmitter Module or a Receiver/Transmitter Module in cases where more than one passageway exists.

Technical Information

Specification	Parameter
Interfaces	RS-232
Connectivity	Its dry-contact inputs and outputs allow the dGate to integrate with almost any access-control board available on the market.
Inputs/Outputs to and from the access control system	Through dry contacts or commands via the RS-232 interface.
Construction	Available models with SW-type doors (Swing Doors - pivot doors), with the UW version featuring high doors (up to 1800mm high) made of 10mm thick glass, with a maximum width of 920mm, or 12mm thick polycarbonate.
Weight	From 150 kg to 175 kg per packaged module
Power Supply	90 ~ 240VAC
Power Rating	Startup: 45 ~ 60 W Standby: 15 ~ 25 W Operation: 40 ~ 60 W
Sensors	Ten pairs of infrared (IR) sensors in the passage corridor, positioned at mid and low height, including two pairs of sensors that form a safety zone.
Audible and visual indicators	An audible alarm Top operation pictograms and front orientation pictograms with high-brightness RGB LEDs.
Operating temperature	0°C ~ 40°C
Certifications	CE Mark

Specification	Parameter
Operating states	Controlled – Allows access only to users with valid credentials Free – Does not require credentials to grant access Locked – Does not grant access, even to users with valid credentials
Features	The system includes selectable and independent passage control modes for entry and exit, configuration of door speed (for both opening and closing), access control with doors open, anti-crushing system, passage timeout, direction and user return detection, stopped-user detection, module intrusion detection, tailgating detection, asset security mode, and accumulation of passage authorizations.
Reliability	Mean Time Between Failures (MTBF): Greater than 10,000 hours Mean Cycles Between Failures (MCBF): Greater than 8,000,000 cycles
Product differentiators	• Brushless motor • Stainless steel or tempered glass top cover and side panels • Control board dedicated to motor and movement control • Electromechanical brake • High door made of 10 mm thick glass, with a maximum width of 920 mm, specific to the UW version



General Description of Additional Features

Specification	Parameter
Internal chassis	Internal carbon-steel chassis with a thickness of 2 to 6 mm that increases structural rigidity, reducing vibration during operation. This protects the internal electronics and extends the product's lifespan.
Brushed stainless steel housing	The 2 mm thick brushed stainless-steel housing ensures high external robustness, reducing susceptibility to cracks or plastic deformation.
Brushless motor	The contactless motor technology ensures an extremely long service life. Combined with Digicon's mechanism, it reaches more than 8 million MCBF cycles, reducing maintenance needs and maximizing return on investment (ROI).
Full-Range Power Supply	Compatible with a wide voltage range (90–240 VAC), adapting to various infrastructure standards.
Anti-crushing sensors	Crossed IR sensors detect the presence of users in the swing-door area (configurable range), preventing accidents and potential legal liabilities.
Normally open electromechanical brakes	The locking system is activated only during unauthorized access attempts, minimizing mechanical wear and extending the system's durability.
Preventive Maintenance	Required only after 6 months. In environments with excessive dust, heat/sunlight, humidity, or vibration, perform maintenance more frequently to ensure optimal performance and longer service life.

dGate UW

