

# SWING BARRIER GATE MODEL:ST-BZ077-1

## SMART TECHO SWING BARRIER

THE SWING BARRIER GATE SYSTEM IS EASY TO INSTALL,  
SAFE TO USE, AND SIMPLE TO MANAGE.



### INTRODUCTION

### Two-Sided

MART TECHO swing barrier gates are cutting-edge security systems designed to control pedestrian access using biometric authentication methods. These swing barrier gates feature motorized mechanisms that open and close to allow or restrict passage. Integrated with biometric technologies such as fingerprint scanners or facial recognition systems, they provide highly accurate and secure identity verification.

By analyzing unique biometric features, these swing barrier gates ensure that only authorized individuals can enter or exit. They offer a robust and efficient solution for seamless and reliable access management.

### Applications

They can be widely used in government, finance, banking, telecommunications, information technology, publishing, leisure, and education.

### MODE OF OPERATION

Passage in one or both directions is electronically controlled. On receiving a signal from the access control system or a push button, the wings open (Normally Closed (NC)).

If an unauthorized person tries to tailgate or enter from the opposite direction, the built-in alarm system is activated. If no passage occurs within the preset timeout period, the lane will close and reset.

SMART TECHO Swing Barrier Gate has a passage width of 60–90 cm. Side and Center Units are produced to create as many passage lanes as required.

Thanks to the sensor technology, SMART TECHO Swing Barrier Gate provides safety in case of any danger of getting stuck between the gates.

All kinds of access control systems like card readers, biometric readers, remote control units, QR scanners, or push buttons can be integrated with ST-BZ077-1 via a simple dry contact. Once the access right is granted, the gate will open automatically.

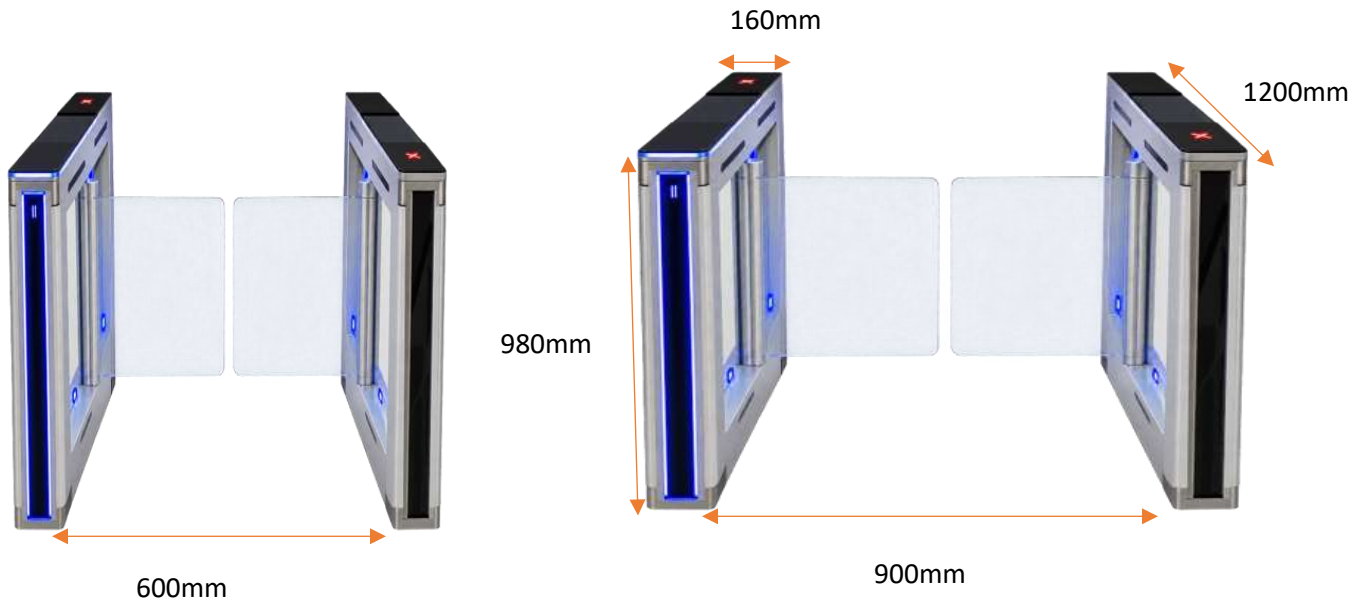
Once the passage is completed, it is detected by the sensors and the gate closes automatically. It has a total of 6 pairs of sensors.

If the user does not use the passage right within a preset time, the gate will sound a buzzer warning and it will close again. Status indicator LED lights are located on both sides of ST-BZ077-1, in green and red colors, to show the allowed passage directions.

### Specifications

| ITEM                                | SPECS                                             |
|-------------------------------------|---------------------------------------------------|
| Case Dimensions (WxLxH)(Customized) | W=160mm, L=1200mm, H=980mm                        |
| Pass Width                          | 600mm - 900mm                                     |
| Design                              | Two side                                          |
| Drive Motor                         | DC brushless 90K 30W                              |
| Movement                            | Brushless swing brake integrated movement         |
| Access control                      | Support RFID, Fingerprint, Face, Palm, QR scanner |
| Passage rate                        | 35-50 persons/minute                              |
| Speed of opening and closing        | Adjustable from 0.5s to 1.5s                      |
| Top Cover                           | 304 Grade SS                                      |
| Front Cover                         | 304 Grade SS                                      |
| Side Covers                         | Open area                                         |
| Working environment                 | Indoor/outdoor with shed                          |
| Indicators                          | Available                                         |
| Wings                               | Acrylic/ Glass 12 mm                              |
| Sensors                             | 6 pairs                                           |
| MCBF                                | 7,000,000 Cycles                                  |
| Protection level                    | Ip 54                                             |
| Weight                              | 50kg                                              |
| Input voltage                       | AC100V~240V,50/60HZ                               |
| Operation Voltage                   | 24V 150W                                          |
| Working temperature                 | -20°C~70°C                                        |
| Working humidity                    | ≤90% No condensation                              |

### Dimensions (mm)



### Drawing

