



## GENESYS ELECTRICAL BOX

## INFORMATION SHEET

### OVERVIEW

The Diamond Genesys electrical box is the first ever UL325/CSA 22.2 certified bi-fold door operator on the market. Our innovative Genesys circuit board features plug-n-play installation on future upgrades, onboard diagnostics, built in emergency override controls, and more. We supply all power and control wires, and they are factory installed to the door frame so you can get your door up and running quickly and efficiently. This means our doors require no onsite electrical connections on the door frame and have a watertight junction box for control wire connections.

The Genesys control box meets NEMA 4/4X/12 and IP64 specifications. This control box is also watertight, eliminating the risk of environmental hazards like dust and water. It is factory wired and tested, and all electrical components are pre-set to factory specifications. Every Diamond door comes standard with open-close limit switches. The limit switch determines how far the door opens and closes. These limit switches are located inside the main electrical box. The closed limit switch is pre-set in the factory, while the open limit switch requires final adjustment on-site once the door is installed. This procedure can be found in the owner's manual or install manual. The main fuses are located inside the Genesys electrical box. They provide security to other electrical components by protecting them from high voltage power surges. The thermal overloads are also located inside the electrical box. They are sized according to each door and provide protection against a large amp draw. These overloads to the electric lift system come with an automatic reset system which will reset within 30 seconds if an overload occurs.

### TECHNICAL SPECS

Electrical Box Certifications: UL325 / CSA 22.2

Control Box Specifications: NEMA 4/4X/12 / IP64

Low Voltage Connection Box Specifications: NEMA 4/4X/12 / IP64

### WARRANTY

The door is free of manufacturing defects in material and workmanship for a period of two years. The door will not warp, crack, or buckle under normal intended use as a door.



### FREQUENTLY ASKED QUESTIONS

#### Does the door require onsite electrical wiring?

The doors come fully wired with high voltage (power) and low voltage (control) wiring. The wiring is brought to the top of the door for easy building connection. The high voltage connection box is to be provided by others, whereas the low voltage box is provided by Diamond Doors.

#### Does the door require an electrical inspection after installation?

Our doors are UL325 / CSA 22.2 certified, meaning you do not need an electrician to sign off on installation and connection. Doors come completely pre-wired in factory; no inspection needed.

#### If something goes wrong with the electrical components, do I have to wait for an electrician to fix it?

Our doors come with onboard diagnostics. This means that if there is a problem with the door, a light on the circuit board will light up indicating the problem. Often there is a simple solution you can apply yourself. When more support is needed, we have a service team available to walk you through door troubleshooting over the phone.

