

Control System

ASSA ABLOY DCC 50 / DCC 55

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



The comfortable control system for high-performance doors in 4 different styles

High-performance doors help to optimize business processes and save energy through high running speeds, intelligent safety equipment and actuator selection adapted to the relevant situation. In addition to short opening and closing times, demand-based opening and correct setting of the door parameters are also particularly important factors.

Modern door control systems are the key here, which enables flexible adaptations to the relevant usage conditions.

The new door control system DCC 50 and DCC 55 combines a high level of flexibility, quick commissioning and simple operation.

Special Features

- IP 65 / IP 66
- user-friendly
- single & 3-phase as option
- simple user interface
- adaptable to customer needs
- suitable for many different environments

Control System DCC50 / DCC55

4 designs, 2 control systems as one-phase or three-phase connection



Plastic design

The ABS housing with Polycarbonate lid is a robust version for our standard door model. With an elegant design, high functionality & flexibility is it easy to install and use next to your high-performance door. This is our standard housing for all door types.



Powder coated steel design

Our powder coated steel version is a simple, robust and durable version of our enclosure. Offering all standard features it gives more space to work within the control unit. This option can be selected for design purposes to visually match previous door models from ASSA ABLOY.



Stainless steel design

The housing made from stainless steel is your partner for a long lifetime in wet and aggressive environments. This housing variation covers the basic functionality you would expect in a environment where stainless steel is mandatory. For all HS door types made fully from stainless steel this housing is a suitable option.



Hygienic design (INOX 304 or 316)

The enclosure is suitable for hygienic applications. Due to its sloped roof no water or other dust can collect on top of the control box. This enclosure is your best partner when you configure a GHY or GAT door version. With its two variations it is possible to mount the box flush on the wall and run cables straight into the wall or with a 50mm gap behind it to ensure it can be cleaned easily.

For the best user experience our team as pre-defined some packages to cover the most common demands:

Option-package 1 includes:

Additional functions:

- Information out of order
- Airlock function
- Orange flash light with or without warning
- Order transfer (Example: Light barrier was interrupted > activate certain output/order)

Additional inputs:

- 3 input commands - 1 input pre-programmed for airlock function
- 1 safety input
e.g. for safety light curtain/presence detector
- 1 special input for e.g. safety light curtain

Features DCC 50 / DCC 55

Housing material	<ul style="list-style-type: none"> ✓ Plastic • Powder Coated Steel • Stainless Steel • Stainless Steel (304 or 316)
Housing dimensions without inlets (W x H x D):	
Plastic	250 x 440 x 200 mm
Powder Coated steel	300 x 500 x 205 mm
Stainless steel	300 x 500 x 205 mm
Hygienic (INOX 304 or 316)	300 x 640 x 210 mm
Power supply DCC 50	1 x 230 V ±10 %; 50/60 Hz
Power supply DCC 55	3 x 400 V ±10 %; 50/60 Hz
Temperature range operation	-20 °C – + 50 °C
Protection class (std.)	IP 65
Protection class (Hygienic)	IP 66
On-site fuse protection	16 A, K-characteristics
Control voltage	
DCC 50	24 V DC, max. 500 mA
DCC 55	24 V DC, max. 3.500 mA
Connections	Plugs
Control unit with graphical LED-display / open-stop-close	✓
LED Display	• 2-row text message
Potential-free contacts	
DCC 50	Standard 2, Optional + 5
DCC 55	Standard 3, Optional + 5
Emergency-stop input	✓
Interlock function	•
Second opening height	✓
Traffic-light function without lead time (red/green)	✓
Flash light function	✓
Service counter	✓
Error code	✓
Radio module	•
Induction loop module	•
Relay card module	•
Main switch	✓
	• Option ✓ Standard

Option-package 2 includes:

Additional functions:

- Traffic-light function without lead time (red/green)
- Directional traffic-light function with lead time
- Interlock

Additional inputs:

- 3 input commands - 1 input pre-programmed for interlock
- 1 safety input
e.g. for safety light curtain/presence detector
- 1 special input for e.g. safety light curtain