



Gallagher

Controller 2 Door Controller Cabinet



Installation Note

Gallagher 2 Door Controller Cabinet: C300121

1 Introduction

The Gallagher 2 Door Controller Cabinet is a secure metal enclosure for access control equipment. The Cabinet provides a full footprint installation space for Gallagher PCBs and space for a Gallagher Power Supply, 3.5A (C200340) with standby 12 V battery.

Optical tamper protection via a Controller 6000 has been provided for both the front and rear of the Cabinet.

The following Gallagher PCBs can be mounted directly into the Cabinet:

- Gallagher Controller 6000 with attached I/O Mounting Plate
- Gallagher Controller 6000 with attached 8H/4H HBUS Module
- Gallagher Controller 6000 with attached 8R/4R Reader Module
- Gallagher HBUS 16 In 16 Out Board

The following Gallagher PCBs must be mounted to a Gallagher Mounting Plate (C200001 or C200003) within the Cabinet:

- Gallagher Fuse & Fire Relay Board (C300993)
- Gallagher HBUS 8 In 4 Out Board (C300684)
- Gallagher HBUS 8 In Board (C300680)
- Gallagher HBUS 8 In 2 Out Door Module (C300660)

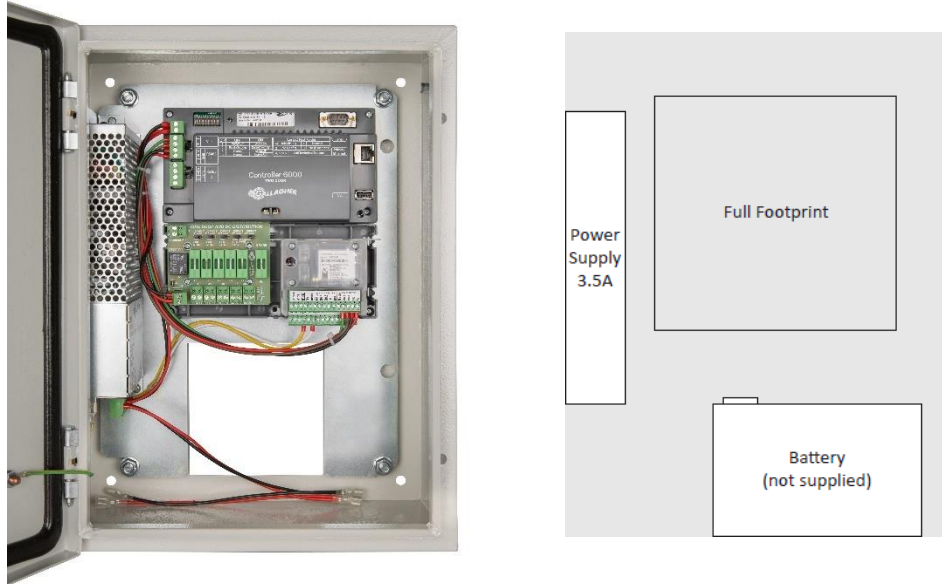
Note: GBUS is not supported from version vEL9.10 of Command Centre.

A standby 12 V battery (not provided with the Cabinet) fits inside the Cabinet without physically interfering with the other components.

Cabinet dimensions are: 400 mm (15.7 in) x 300 mm (11.8 in) x 150 mm (5.9 in).

1.1 Installation Example

The following photo and diagram is an example of how the Gallagher 2 Door Controller Cabinet can be used to accommodate a number of Gallagher PCBs.



2 Before you begin

2.1 Shipment Contents

Already fitted in the Cabinet:

- 1 x Door earth wire (part number 2K1161)
- 1 x Power Supply earth wire (part number 2K1163)
- 1 x Rear Tamper Light Pipe wrapped with reflective label and grommet (part numbers 4G0671, 3B 1896 and 2M1467)
- 1 x Metal Mounting Plate (part number 4G0162)

Supplied in plastic bag taped to the outside of the Cabinet:

- 1 x Gallagher 2 Door Controller Cabinet Installation Note (part number 3E3722)
- 2 x Cabinet keys
- 6 x Screws (for the attachment of Gallagher mounting plates)

2.2 Cabling

The system or building cabling should be carried out prior to the installation of the Cabinet. The type of cable and the number of cables that enter the Cabinet will depend on the type of board(s) that are installed.

2.3 Tamper Detection

The Controller location provides rear optical tamper detection through a light pipe in the back face of the Cabinet for the Gallagher Controller 6000. The rear tamper detector senses if anyone attempts to remove the Cabinet from its mounting position.

The reflective label attached to the inside surface of the Cabinet door is used by the Controller's front tamper detector. The front tamper detector senses when the Cabinet door is opened.

Notes:

- The Cabinet cannot have any third party hardware mounted inside that contains LEDs, as the LEDs may affect the operation of the front tamper.
- Tamper detection is supported for the Gallagher HBUS 16 In 16 Out Board when installed in the location of the Gallagher Controller 6000.

2.4 Wiring

The Cabinet has an earth wire connected between the Cabinet and the door, and an available connection for a Power Supply (with a 6.4 mm earth tab). If this wire is disconnected during installation, please ensure that it is reconnected.

3 Installation

1. Unlock and open the Cabinet door.
2. Remove the Metal Mounting Plate from the Cabinet.
3. Cables can enter the Cabinet through the knockouts located on the sides of the Cabinet, or through the space provided in the rear of the Cabinet. It is preferable for optimal work height that the cable exit the wall and enter the Cabinet at eye height or just below, (i.e. approximately 1.6 m from the floor).
4. Mark the position of the four mounting holes, on the surface that you intend to secure the Cabinet to.
5. Mark on the surface, the tamper hole location for the Controller 6000.
6. Mount the reflective label on the wall and ensure it is firmly stuck in place.
This white, adhesive reflective label (provided with the Cabinet) must align with the light pipe located in the back of the Cabinet.
7. Secure the Cabinet to the wall, using a minimum of four self-tapping screws.
The Cabinet must be tight against the wall. This ensures the distance between the reflective label and the optical tamper detector is kept to a minimum.
8. Using the four M3 screws provided with the Controller 6000, mount the Controller 6000 with attached Controller 6000 I/O Mounting Plate (C200003) to the Metal Mounting Plate.
Note: Rear tamper on the Controller 6000 is only supported if the Controller is installed as shown in the photo on page 2. If installed in a different orientation or location within the Cabinet, the Controller's rear tamper should be disabled.
9. Using the M3 screws provided with each Gallagher PCB, mount the optional Gallagher PCBs to a Controller 6000 I/O Mounting Plate (C200003).
10. Mount the Gallagher Power Supply to the Metal Mounting Plate.
11. Mount the Metal Mounting Plate (with PCBs) into the Cabinet.
12. Wire in the data and power connections.

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13. Connect the earth wire from the Cabinet to the Power Supply.
 14. Install the standby 12 V battery and connect to the Power Supply.
 15. Connect the mains power to the Power Supply.
 16. Ensure all equipment operates correctly both with mains power on/battery on and with mains power off/battery on.
 17. Label all connections using the component identification decal(s). Fix the component identification decal(s) to the inside of the Cabinet door. Do not fix the decal(s) over the reflective label required for the Controller's front tamper detector.
 18. Close and lock the Cabinet door.
 19. Initialise the optical tampers on the Controller 6000. Refer to the topic "*Optical Tamper Detectors*" in the Gallagher Controller 6000 Installation Note (3E2028).

4 Approvals and Compliance Standards

AS/NZS IEC 60839.11.1:2019 Grade 4, Class II

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