



Gallagher

Cabinet

Installation Note

Gallagher Cabinet: C200100

Gallagher I/O Accessory Cabinet: C200611

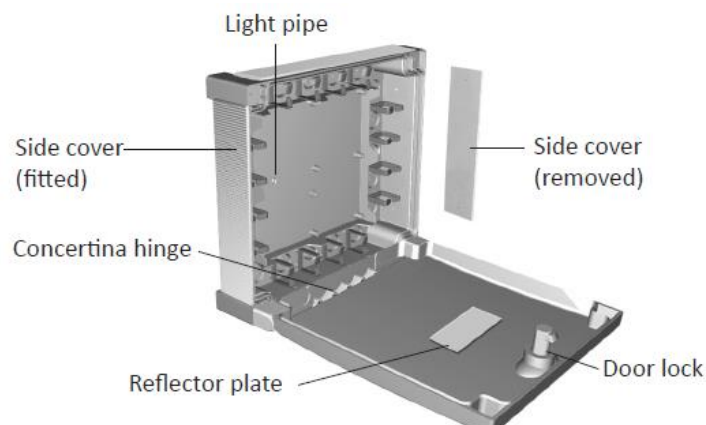


1 Introduction

The Gallagher Cabinet is manufactured from a strong polycarbonate/ABS plastic alloy. It provides a secure container for access control and intruder alarm equipment. The lockable door can be fitted to hinge, from a side of the Cabinet that is opposite a latch.

A number of cable entry cutouts are available; on the side panels and on the back face of the Cabinet. "Side Covers" conceal the side panel cutouts when these cutouts are not utilised.

A light pipe is installed into the back face of the Cabinet for use with an optical tamper detector fitted to the Gallagher access control PCBs.



A Gallagher Controller 6000 or Gallagher HBUS 16 In 16 Out Board (C300688) can be installed directly into the Gallagher Cabinet.

A Gallagher Mounting Plate is required when fitting one of the following Gallagher expansion PCBs:

- Gallagher HBUS 8 In 2 Out Door Module (C300660)
- Gallagher HBUS 8 In 4 Out Board (C300684)
- Gallagher HBUS 8 In Board (C300680)

Refer to the appropriate expansion PCB installation note for details regarding the required mounting plate and mounting instructions.

Notes:

- GBUS is not supported from version vEL9.10 of Command Centre.
- The Gallagher Cabinet cannot have any third party hardware mounted inside that contains LEDs, as the LEDs may affect the operation of the front tamper.

2 Before you begin

CAUTION: Voltages higher than 30V AC or 42V DC must NOT enter the Cabinet.

Before you begin the installation, carry out the following procedures:

- Check the carton contains the following items:
 - 1 x Gallagher Cabinet
 - 4 x Plastic screw caps
 - 1 x Reflector label (white, adhesive label)
 - 16 x Cable saddles
 - pan pozi screws
- Additional items and tools required for the installation are:
 - Conduit and conduit fittings
 - Tool for removing the cable entry cutouts, (e.g. hole saw, drill)
 - Mounting screws or fittings

Note: Do NOT use countersunk screws for mounting the Cabinet.

- Determine the mounting position of the Cabinet.

Where the cabling enters the Cabinet, and where it terminates on the PCB, may effect how you wish to orientate the Cabinet. This, in turn, may impact as to which side of the Cabinet the Cabinet door needs to hinge.

Note: If you need to reposition the Cabinet door, this must be done before you mount the Cabinet. Refer to the section titled "*Reposition the Cabinet Door*".

- Remove the appropriate cable entry cutouts.

Where the cabling will enter the Cabinet determines which cable entry cutouts you need to remove. Refer to the section titled "*Removing Cutouts*".

3 Reposition the Cabinet Door

The Cabinet hinge mount can be repositioned to the opposite side of the Cabinet. This enables you to reposition the door so that it opens from the opposite direction.

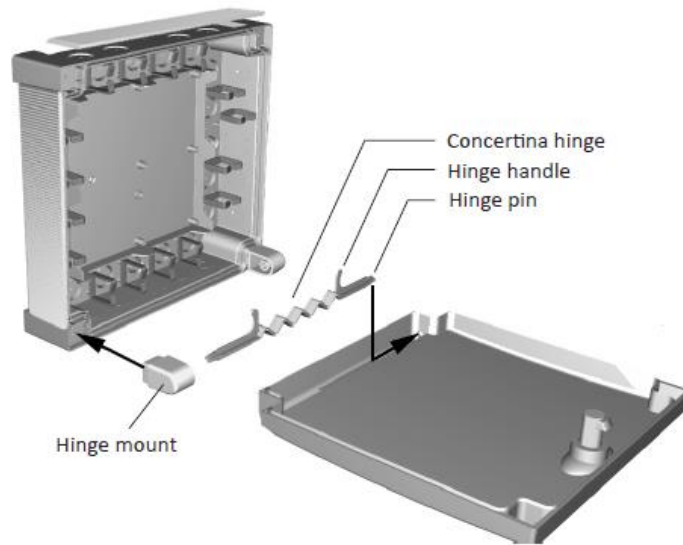
To remove the door

1. Open the Cabinet door.
2. Carefully pull one of the hinge handles towards the centre. This action causes the concertina hinge to compress and withdraws the hinge pin from its mounting block.
3. When this hinge pin is clear (from its mounting block), lift the door away from the Cabinet.

To change the hinge position

4. Each hinge mount is secured by one M4 screw.
From the back face of the Cabinet, remove and retain the two M4 pozidrive screws securing the hinge mounts you wish to move.

5. Remove the hinge mounts and reposition them in the required locations.
6. Using the screws removed in step 4, secure the hinge mounts.



Repositioning the Cabinet door

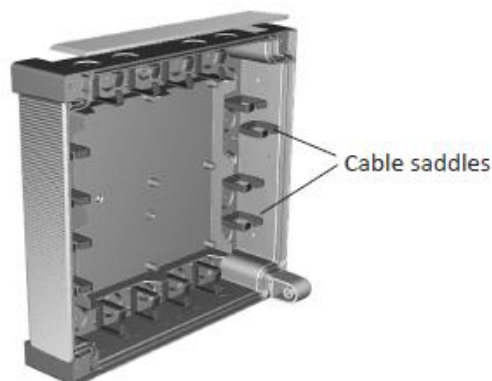
Refit the Cabinet door

7. Fit one hinge pin through the appropriate hinge pin hole (of the door) and into the hinge mount.
8. Compress the concertina hinge to enable the other hinge pin to fit through the Cabinet door and into its hinge mount.

4 Assemble Cable Saddles

Place the cable saddles in the Cabinet as required for cable trunking.

Note: You may not need all 16 cable saddles that are supplied.



5 Removing Cutouts

The cutouts in the back and side panels of the Cabinet can be drilled out (or "cut out"). Each cutout has a "dimple" in the centre to aid alignment of a drill or other cutting tool.

The cutouts are designed for use with a maximum conduit size of 25 mm (1 inch) and for use with PVC conduit terminators and appropriate cable glands.

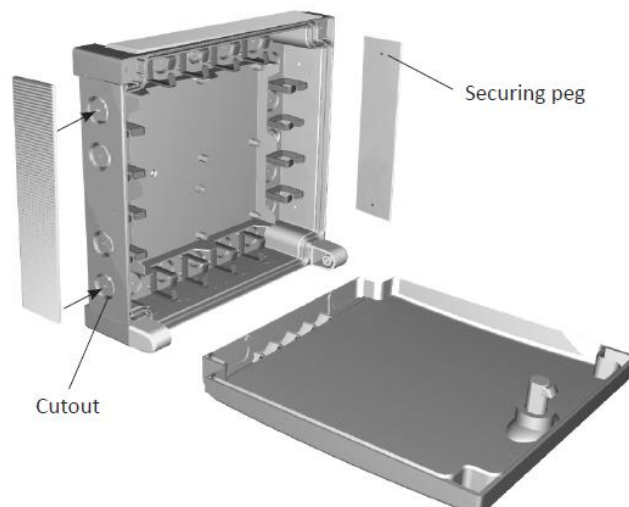
Back panel cutouts

1. Unlock and open the Cabinet door.
2. On the "inside face" of the back panel, carefully drill (or cut out) the appropriate cutouts.

Side panel cutouts

Removable side covers conceal the Cabinet's side panel cutouts.

1. Unlock and open the Cabinet door.
2. Each side cover has two small securing pegs. These pegs fit securely within the two "dimples" of the two most outer cutouts. Locate the securing pegs (within the Cabinet) for the side cover you want to remove.
3. Push the securing pegs out of their respective holes.
4. Lift the side cover clear.
5. On the "outside face" of the side panel, carefully drill (or cut out) the appropriate cutouts. It is recommended you use the outer-most cutouts first, (i.e. the cutouts with the securing holes).



Removing the side covers

6 Mounting the Gallagher Cabinet

Note: The Gallagher Cabinet should be installed in a secure, internal situation. The security of the installation ultimately depends on the way you install the Gallagher Cabinet.

Cabling and conduit

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 PCBs that are installed within the Cabinet. (Refer to the appropriate PCB installation note.)

It is recommended conduit is connected to the Cabinet using "conduit adapters".

Anti-tamper devices

Gallagher PCBs that contain anti-tamper functionality are fitted with two optical tamper detectors.

The first detector operates through a light pipe in the back face of the Cabinet. This detector senses if anyone attempts to remove the Cabinet from its mounting position.

The second detector operates via the reflecting plate on the inside of the Cabinet door. This detector senses when the Cabinet door is opened.

7 Installation Instructions

Gallagher Cabinet

1. Check the following procedures have been completed:
 - The Cabinet door hinges from the required side. (Check there is a latch opposite the hinge.)
 - The appropriate cable entry cutouts have been removed.
 - The cable saddles have been inserted.

Note: These procedures must be complete before you mount the Cabinet.
(Refer to the earlier sections for detailed instructions.)
2. Unlock and open the Cabinet door.
3. Remove the Cabinet door. Refer to "*Reposition the Cabinet Door*".
4. Mark the position of the keyhole mounting holes on the surface that you intend to secure the Cabinet to.
If appropriate, drill pilot holes, install toggle bolts or other fixing devices.
5. Mount the reflective label 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.
6. Secure the Cabinet to the wall using the appropriate fixtures, (i.e. screws, toggle bolts, etc.).
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.
7. Push the four small, plastic, screw caps into each keyhole slot surround.
These caps, supplied as part of the Cabinet, ensure that moisture does not enter the Cabinet.
8. Reinstall the Cabinet door. The Cabinet is now installed.

Gallagher PCBs

The following procedures are involved when installing Gallagher PCBs:

Note: Refer to the appropriate PCB installation note for detailed instructions.

- Install the appropriate PCB into the Cabinet.
Note: The Cabinet can not have any third party hardware mounted inside that contains LEDs, as the LEDs may affect the operation of the front tamper.
- Install the cabling.
- Initialise the PCB.
- Fix the component identification decal. Do not fix the decal over the reflective label.
Hint: To make it easier to get the decal straight on the Cabinet, use soapy water on the Cabinet and on the back of the label before applying the label to the Cabinet.

Reminder: When the installation is complete, close and lock the Cabinet door.

Note: To engage the tongue of the lock, push firmly on the door until an audible "click" is heard, to ensure the door is sealed against the Cabinet body.

8 Approvals and Compliance Standards



This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: Changes or modifications not expressly approved by Gallagher Limited could void the user's authority to operate this equipment.

UL Installations

For a guide to configuring the Gallagher system to the UL Standard, please refer to the document appropriate to your location:

- "3E2793 Gallagher Command Centre UL Configuration Requirements" (for USA), or
 - "3E5960 Gallagher Command Centre ULC Configuration Requirements" (for Canada).
- Installers must ensure these instructions are followed to ensure the installed system is UL compliant.

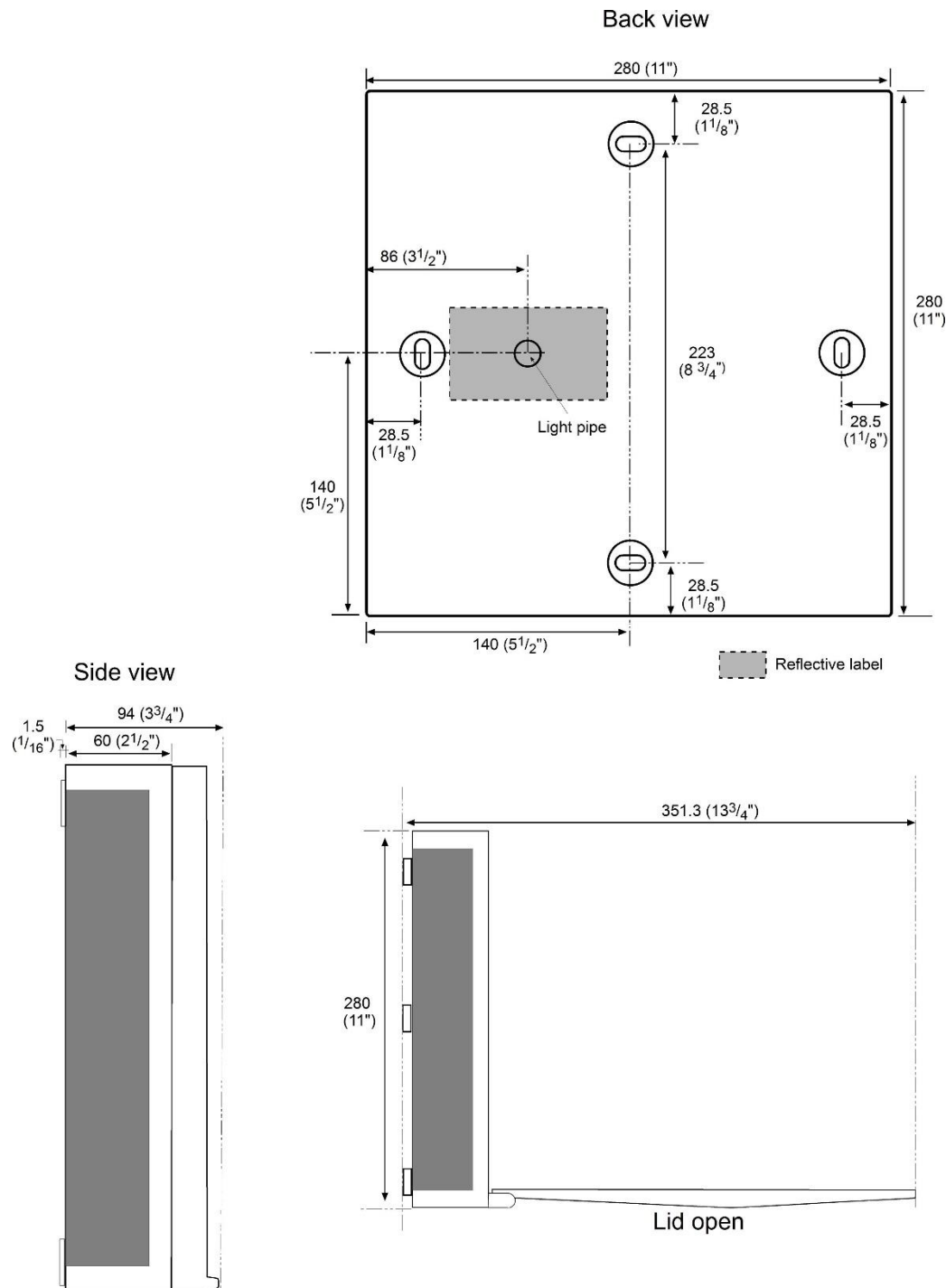


UL294 - Access Control
UL2610 - Commercial Burglary
CAN/ULC-S304- Commercial Burglary
CAN/ULC 60839-11-1- Access Control



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

9 Mounting Dimensions



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