



Gallagher

Fuse & Fire Relay Board

Installation Note

Gallagher Fuse & Fire Relay Board: C300993



ATTENTION: This equipment contains components that can be damaged by electrostatic discharge. Ensure both you and the equipment are earthed before beginning any servicing.

1 Introduction

The Gallagher Fuse & Fire Relay Board provides fused power distribution and enables a fire panel to control power to a site's doors.

The Gallagher Fuse & Fire Relay Board provides power for up to 5 DC outputs. A 1 Amp glass fuse provides overload protection for each DC output. A spare fuse is also provided. The DC outputs can be used to power door locks, detection devices, expansion boards, etc.

Fire panel control

Fail-safe release of door locks can be provided using the fire drop relay control input (FT+/FT-). Two connection options are provided:

1. Fire panel dry contact control.
2. Fire panel provides the 12 Vdc to operate the fire drop relay.

2 Before you Begin

2.1 Shipment Contents

- 1 x Gallagher Fuse & Fire Relay Board
- 1 x Gallagher Fuse & Fire Relay Board Installation Note (3E3718)
- 1 x Gallagher Fuse & Fire Relay Board Decal (3E3719)
- 4 x 4X1/4" pan pozi screws

2.2 Power Supply

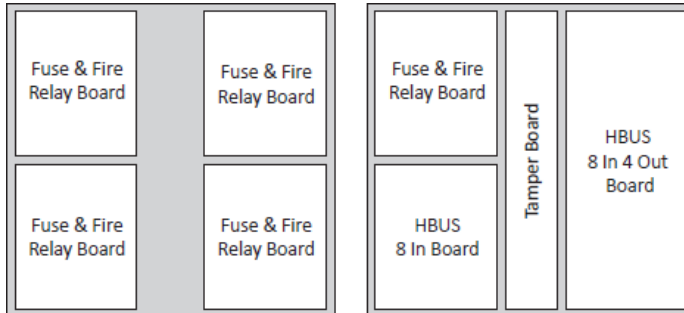
The Gallagher Fuse & Fire Relay Board requires a 13.6 Vdc + 15% power supply. Power is connected to the DC IN connection.

3 Installation

Note: The relay on this board is 12 Vdc, if the fire panel only outputs 24 Vdc then use the fire panel dry contact method mentioned in step 5 option 1.

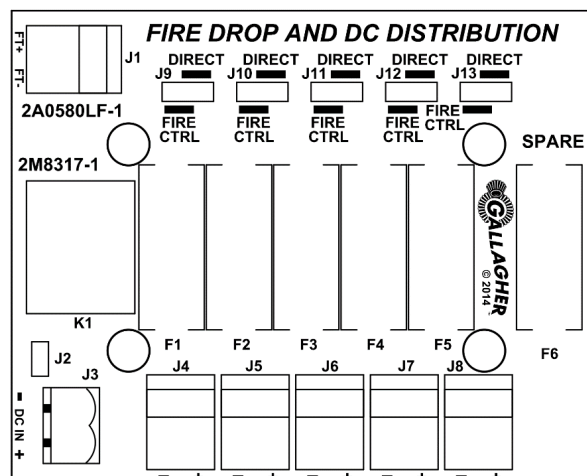
The Gallagher Fuse & Fire Relay Board can be mounted in a Gallagher Cabinet.

1. Install a Gallagher Mounting Plate (C200001, C200002 or C200003) directly into the Cabinet.
Installation layout options within a Gallagher Cabinet (C200100) are:



2. Using the 4 screws supplied, fit the Gallagher Fuse & Fire Relay Board to the associated mounting plate.
3. Connect up to 5 DC outputs, (e.g. door lock wiring) that require fuse protection.
4. Connect power from a Gallagher Power Supply to the DC IN connection.
5. Fail-safe release of door locks can be provided using the fire drop relay control input (FT+/FT-). Two connection options are provided:
 1. Fire panel dry contact control. A normally open contact that is operated to the closed state, provided by the fire panel. This contact opens in the case of fire.
 - Fit J2 which applies +12 Vdc to one side of the fire drop relay FT+
 - Connect one leg from the fire panel relay contact to J1 FT-
 - Connect the other leg from the fire panel relay contact to J3 DC-
 2. Fire panel provides the 12 Vdc to operate the fire drop relay.
 - Ensure jumper J2 is removed
 - Connect the fire panel control voltage (12 Vdc) to J1 FT+
 - Connect the other leg of the fire panel control (0 Vdc) to J1 FT-
6. Ensure jumpers J9-J13 are placed across the FIRE CTRL pins, for the outputs that will be controlled by the fire panel.
7. Use the component identification decal to identify the outputs that are connected to the board. Fix the component identification decal inside the Cabinet door.

4 Component Layout



5 Technical specifications

Power supply Operating voltage (DC In): Operating current:	13.6 Vdc $\pm$ 15% 30 mA (fire drop relay on)
Relay rating	10 A
Glass fuse rating	1 A
Environmental Temperature range: Humidity:	-10 °C to 50 °C (+14 °F to +122 °F) 95% non condensing
Connections DC Out:	5
Unit dimensions:	Height 30 mm (1.2 in) Width: 70 mm (2.8 in) Depth: 87 mm (3.4 in)

6 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.

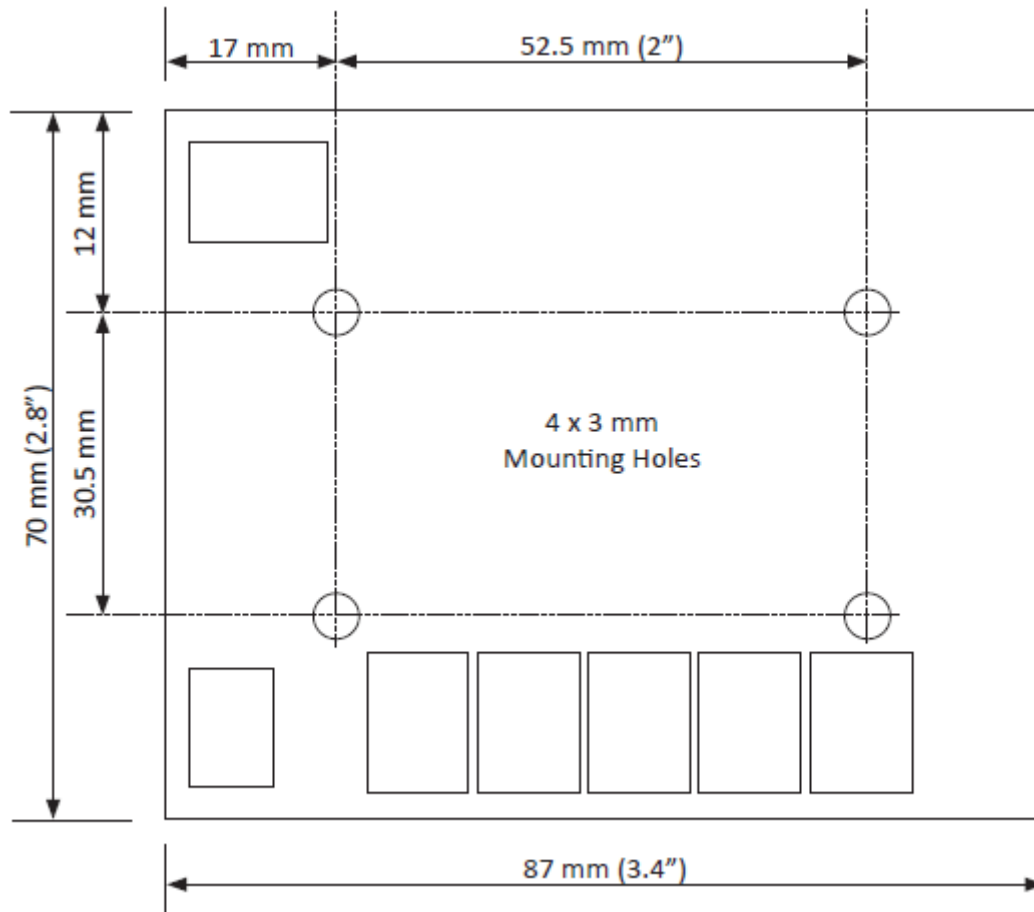


This product complies with the environmental regulations for the Restriction of Hazardous Substances in electrical and electronic equipment (RoHS). The RoHS directive prohibits the use of electronic equipment containing certain hazardous substances in the European Union.

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

EN50130-4
EN55032

7 Mounting Dimensions



IMPORTANT

This picture is not to scale, therefore use the measurements provided.

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