



Gallagher

Power Supply, 3.5A

Installation Note

Gallagher Power Supply, 3.5A: C200340



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

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1 Introduction

The Gallagher Power Supply, 3.5A is capable of powering access control hardware and charging up to two 7 Ah batteries. The power supply provides two alarm outputs for monitoring battery low voltage and mains fail alarms. The outputs can be connected to a Gallagher Controller or Gallagher expansion board.

Important: This power supply has a maximum charging current being supplied to the Battery Charging circuit of 0.23A. This is sufficient only to charge and maintain a maximum of TWO 7Ah batteries or a capacity of 14Ah worth of batteries.

If the system this power supply is connected to requires a backed-up power supply longer than 14Ah it may be worth choosing a different power supply.

2 Shipment Contents

Check the shipment contains the following items:

- 1 x Gallagher Power Supply, 3.5A
- 1 x Battery lead
- 1 x Gallagher Power Supply, 3.5A Installation Note (3E3717)

You will need to purchase locally a standard IEC mains lead to fit the power supply.

3 Installation

The Gallagher Power Supply, 3.5A can be mounted in a Gallagher Cabinet.

Note: The power supply comes pre-installed and connected with a Gallagher Starter Kit, Controller 6000 (C302400 or C302401) or the Gallagher Controller 6000 2 Door Kit, Standard (C302910 or C302911).

The following instructions describe how to install the power supply into a Cabinet:

1. Mount the power supply into the Cabinet using the mounting holes located on the power supply unit.
2. Connect the Primary and Common from the power supply to the Vin port on a Gallagher Controller. Connect the battery low and mains fail outputs to the Gallagher Controller or a Gallagher expansion board.
3. Using the battery lead provided, connect one or more batteries.

The red wire should connect to the red/positive terminal on the battery and the black wire should connect to the black/negative terminal.

Note: The power supply can operate on batteries alone. Ensure that only 12 V batteries are used.

4. Connect the mains power using a standard IEC mains lead.

4 Alarm Outputs

The battery low and mains fail alarm outputs come pre-connected when supplied with the Gallagher Starter Kit, Controller 6000 or the Gallagher Controller 6000 2 Door Kit, Standard.

Both the alarm outputs have onboard 4k7 EOL resistors fitted as standard.

The alarm outputs are open collector and must be tested with input circuitry installed.

IMPORTANT: Do not apply voltage directly to the battery low or mains fail outputs, as this will damage the monitoring circuitry, rendering the power supply unusable.

Battery Low Alarm

The battery low alarm will be triggered when the battery charge falls below approximately 10.8 V. If no battery is connected the battery low alarm will not activate.

Note: Users are reminded to follow the replacement and maintenance instructions listed by the battery manufacturer.

Mains Fail Alarm

The mains fail alarm will be triggered when the mains voltage falls below approximately 90 V or when the mains voltage rises above approximately 250 V.

5 Technical specifications

Input Voltage:	90 - 250 V AC
Output Voltages:	Primary 13.8 V
Output Current:	3.5 A
Power Rating:	51.38 W
Battery low and mains fail outputs:	Normal state 2.5 V Alarm state 3 V
Operating Temperature:	-10 °C to 50 °C (14 °F to 122 °F)
Unit dimensions:	Height 263 mm (10.35 in) Width: 103 mm (4.06 in) Depth: 40 mm (1.57 in)

6 Approvals and Compliance Standards

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.

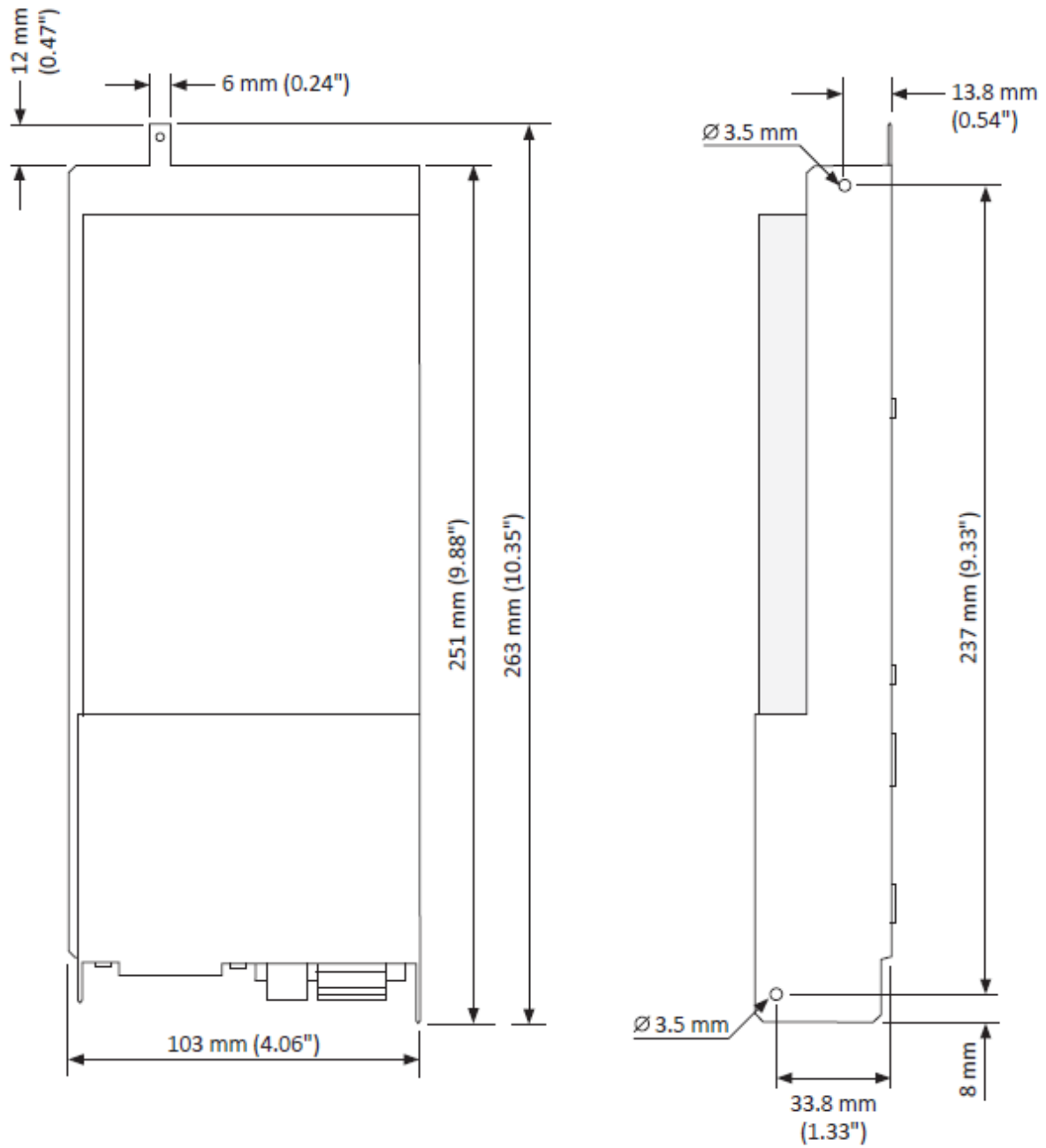


UL294 - Access Control
UL2610 - Commercial Burglary
CAN/ULC-S304- Commercial Burglary
CAN/ULC 60839-11-1- Access Control

AS/NZS IEC 60839.11.1:2019 Grade 2, Class II



7 Mounting Dimensions



IMPORTANT

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