



Gallagher

Controller 7000 Single Door Relay Board

Installation Note

Controller 7000 Single Door Relay Board: C400910



Introduction

The Gallagher Controller 7000 Single Door Relay Board provides a dry contact relay for doors which require a second lock. It is driven off the transistor relay on the Controller 7000 Single Door.

Shipment Contents

Check the carton contains the following items:

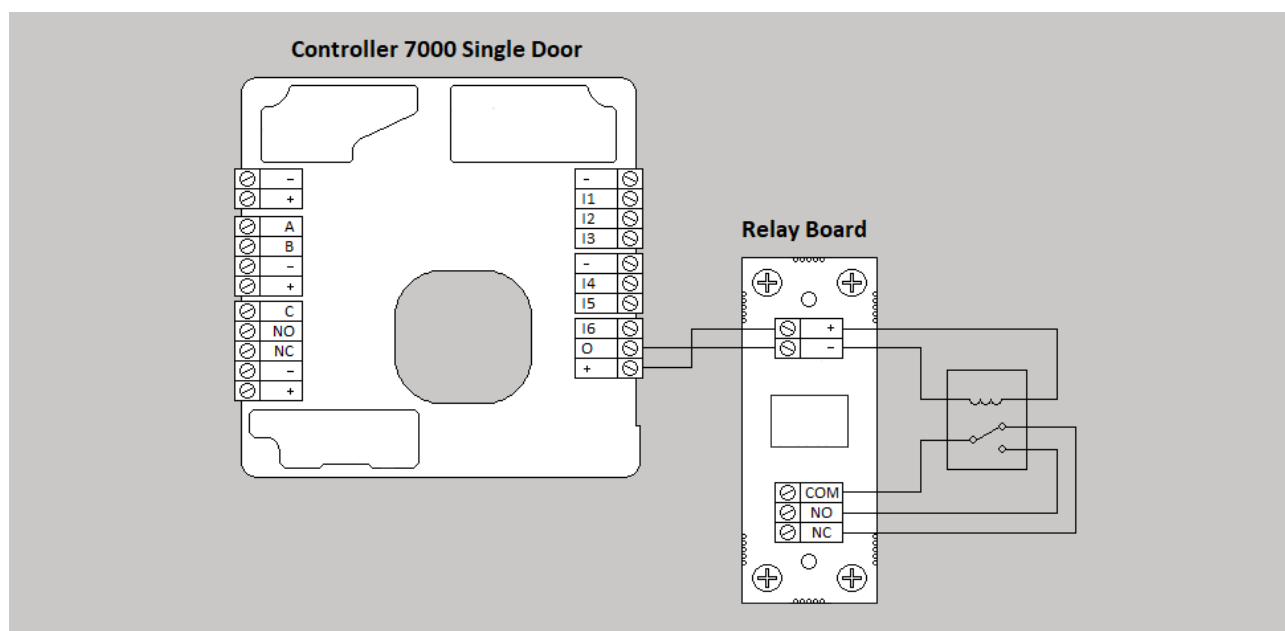
- 1 x Controller 7000 Single Door Relay Board
- 4 x 4X1/4" pan pozi screws

Connections

The cabling to and from the relay connector must be capable of carrying sufficient current for the device the relay is controlling. Each relay circuit is rated:

- 3 A at 24 Vdc/ac for a resistive load
- 1 A at 24 Vdc/ac for an inductive load

Ensure back EMF snubbing components (a diode or Metal Oxide Varistor) are fitted to inductive loads to prevent voltage spikes from causing equipment to malfunction.



Wiring for the Controller 7000 Single Door

- +ve to Controller 7000 Single Door Relay power output
- -ve to Controller 7000 Single Door O (secondary output)
- N, NC, NO relay dry contacts to be wired as required

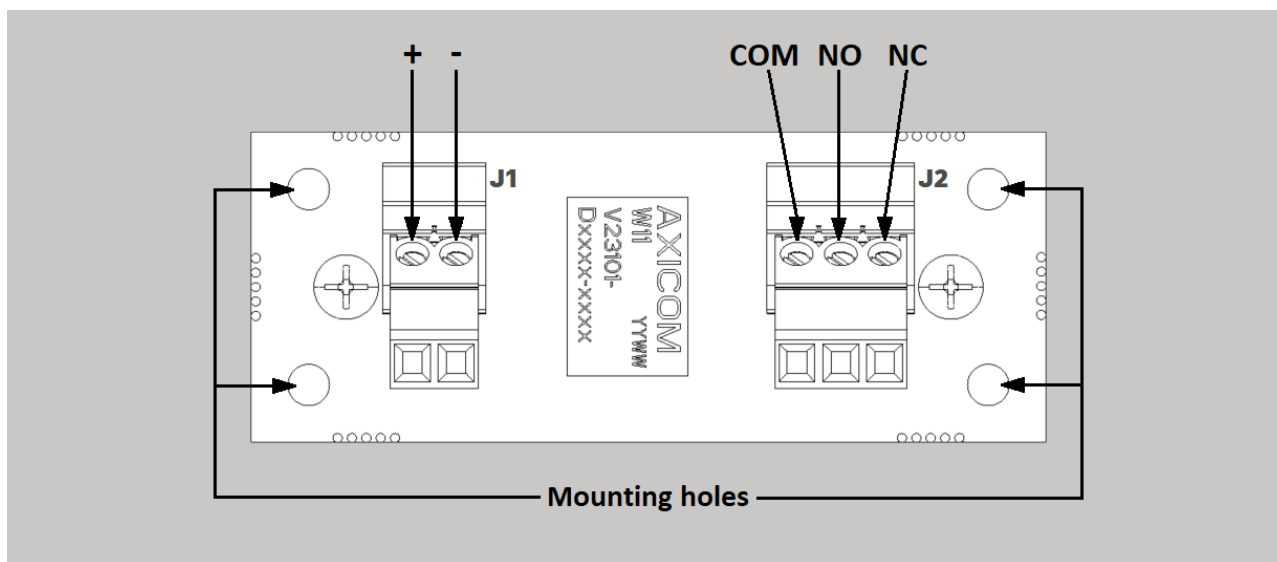
Wiring for other uses:

- +ve relay coil +ve drive, add relay coil voltage rating
- -ve relay coil -ve drive, add relay coil voltage rating
- N, NC, NO relay dry contacts to be wired as required

Notes:

- There is a diode across the relay coil to suppress voltage spikes, hence the coil drive polarity is important.
- There are 40V voltage suppression diodes across the relay contacts.
- There is no fusing on the relay board.

Component layout



Installation

The installation of this Relay Board must be carried out by a Gallagher Install Partner. Complete the instructions in this document to install the Relay Board.

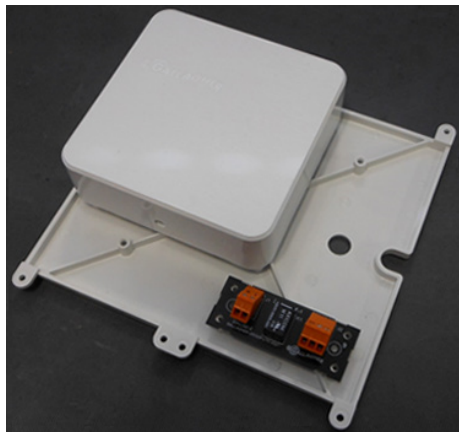


ATTENTION: This equipment contains components that can be damaged by electrostatic discharge. Ensure both you and the equipment are earthed before beginning any servicing.

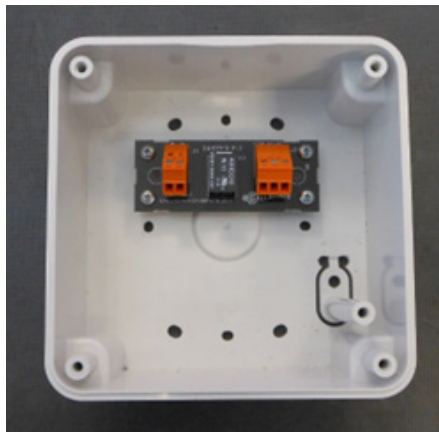
The Gallagher Controller 7000 Single Door Relay Board must be mounted in a tamper protected enclosure.

1. If you are installing the Gallagher Controller 7000 Single Door Relay Board onto either a Gallagher Mounting Plate (C400180) or Gallagher Mounting Block (C400900), use the 4 screws supplied to fit the Relay Board in the appropriate position as shown below:

Mounting Plate (C400180):



Mounting Block (C400900):

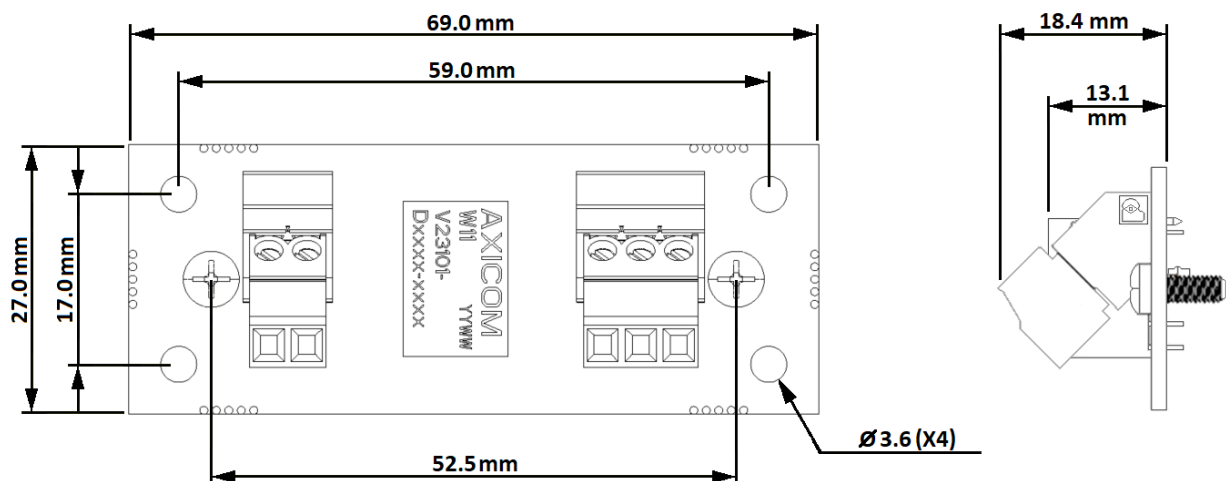


2. Follow the wiring instructions in the **Connections** section earlier.

Technical specifications

Measurement	Value
Coil Voltage	13.6 ± 15% Vdc
Coil Power Rating	40mA Max
Contact Rating	24VAC/VDC 3 A resistive load, 1 A inductive load
Operating Temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Humidity	95% non-condensing
Unit dimensions	Height: 18.4 mm (0.7 in) Width: 27 mm (1.1 in) Depth: 69 mm (2.7 in)
Standards and compliance	FCC, RCM, CE, RoHS
UL requirements	The relay board must be installed in a UL2610/UL294 and/or ULC ORD C1076 enclosure with tamper protection. 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 The relay board shall be powered via a UL 294/ UL 2610/ C1076 power supply with min 4 hrs of standby power. UL has not evaluated this as a Fire device part of a Fire Alarm system.

Mounting dimensions



IMPORTANT:

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