

## Introduction

Thank you for purchasing the Siemens Damper Control Module. This module is made to interface with your Siemens Fire Protection System via FDC1222 type Input Module.

### Features include:

- Same look and feel as FAN004-FM module and common mounting bracket arrangement
- Easy plug and play wiring using DAMPER002-WK wiring kit
- Operation including switches, colour coded indication, lamp test and labelling meets AS/NZ 1668.1-1998 requirements
- On-board fitment of end-of-line resistors for system requirements

## Electrical Specification

Supply Voltage: DC 24 V

Multiple Fan Modules can be daisy-chained from one power supply however care should be taken to ensure power supply is appropriately sized for the application.

## Control Interface Requirements

Each Siemens Four Damper Control Module requires two FDC1222 Input modules for full operation. Wiring is as described herein. Further details can be obtained by contacting your local Siemens representative.

## Installation

### Mounting into your Siemens FC7xx Fire Panel

Multiple Damper/Fan Modules can be mounted into the same bracket, FAN002-MB.

Your Siemens Damper Control Module is made to fit directly into mounting bracket FAN-002-MB, which fits directly into Siemens FC7xx Fire Panels. There are four M3 threaded studs, one in each corner of the module. The module will only mount one way (i.e. top up). Once in place fit nuts (supplied) and tighten to fix in position. Up to four panels fit into each Mounting Bracket.

For unused Mounting Bracket panel positions fit with Siemens Blank Plate FAN001-BP.

For connecting of your Siemens Four Damper Module to the Siemens FDC1222 module use Siemens Wiring Kit DAMPER-002-WK.

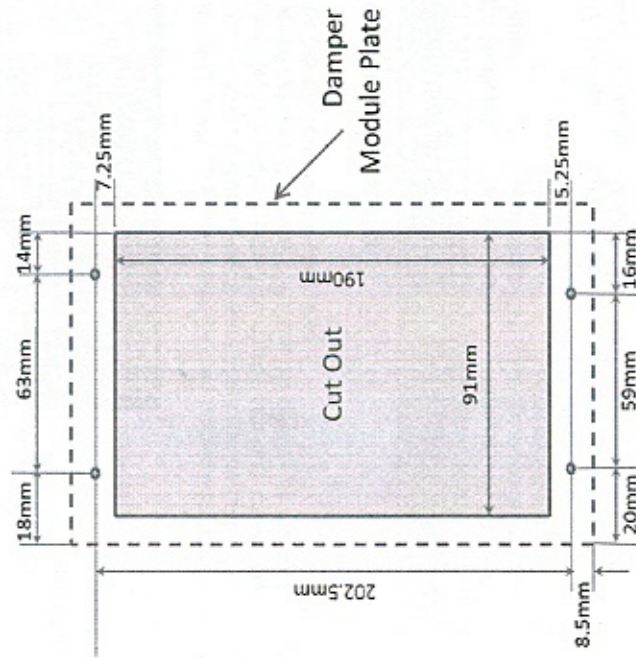
Should electrical noise from I/O modules or other devices result in erroneous issues which hinder operation please isolate rear of panels from source by using a metal shield between panels and devices. For further information please contact your local Siemens representative.

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### Mounting onto Installation Panels (by Others)

Dimensions below outline recommended cut-out size and hole requirements. Ensure you allow sufficient space at rear of panel for wiring connections.

Holes should be sized to allow for M3 screws, pre-fitted to the plates.



### Mounting Blank Plate FAN002-BP

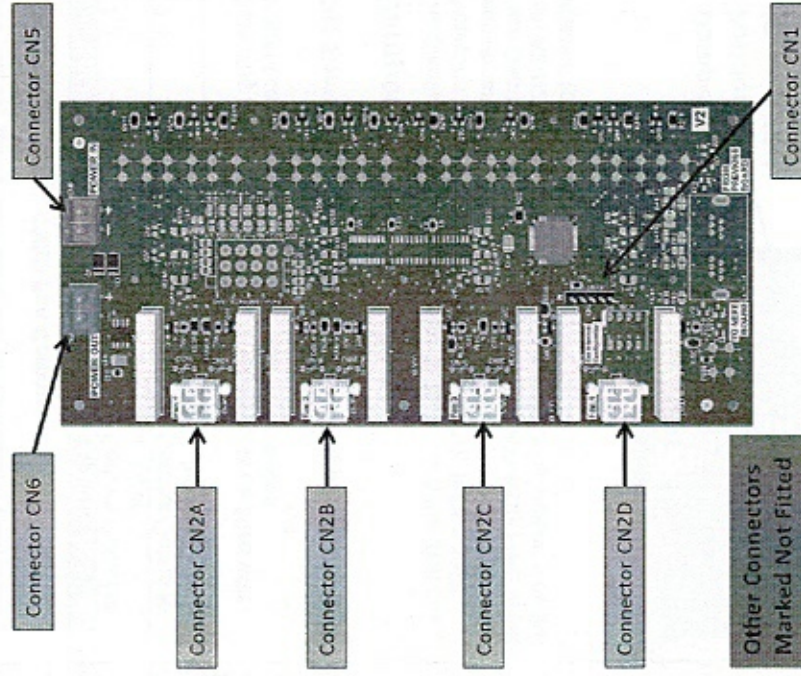
When mounting blank plate into Siemens Mounting Bracket FAN004-MB installation is the same for Damper module DAMPER001-DM. If it is required, when mounting onto an installation panel built by others, plate size and mounting hole positions are the same as show in figure 1 above, however no cut is required (blank plate can be mounted flat onto a panel).

### Using Siemens Wiring Kit DAMPER002-WK

The Siemens Wiring Kit DAMPER002-WK consists of the following: four only 4-way (2x2) connectors complete with two by 2 colour wires (each plug wire loom is differently coloured), 1000mm long. Two plug connectors for power in and out connections

## Wiring

Your DAMPER001-DM Fan Module circuit board is labelled and uses a range of different connectors to help minimise the potential for any miss-wiring issues.



## Output Wiring Configuration

CN5 mains input

Pin	Designation	Description
1	+	Supply input +24 V
2	-	Supply input +0 V

CN6 mains output (board to board power link)

Pin	Designation	Description
1	+	Supply output +24 V
2	-	Supply output +0 V

CN2A, CN2B, CN2C, CN2D Fan Command

Pin	Designation	Description
1,3	Stop	Dry Contact Output to FDCI (Input)
2,4	Run	Dry Contact Output to FDCI (Input)

Each plug (CN2A, CN2B, CN2C, CN2D) should be fitted with different colour grouped wires for ease of recognition

CN1 Siemens Factory Use Only – No field application

## Damper Module Operation

The Siemens Damper Module is made to use with the Siemens Fire Protection System for damper testing to AS/NZ 1668.1-1998 requirements.

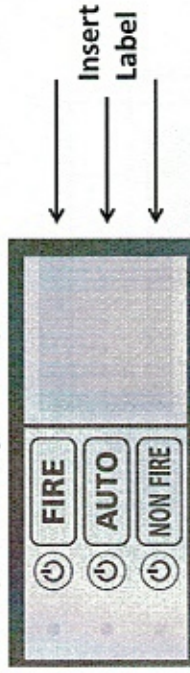
Each Damper Switching is labelled FIRE-AUTO-NON FIRE in line with AS/NZ 1668.1-1998. Each switch position is indicated by the adjacent (green) LED.



Damper Switch Position (Green LEDs)

At the bottom of the panel there is a LED test button. When pushed all LEDs flash. Should any LED not work during the test, the panel should be immediately replaced. Contact your local Siemens representative for repair or replacement of the non-functioning module.

## Individual Naming of Dampers



Your module allows you to insert damper names into the right side of the module adjacent to each fan. Labels can be up to 30mm (H) x40mm (L) (viewable area will be slightly smaller). Labels are inserted between the metal plate and the overlay on the right of the plate (as indicated) in the clear area

## Trouble Shooting

Symptom	Potential Cause/s	Suggested Solution
No feedback signal	Module being applied as Fan Module	Replace with FAN004-FM and connect additional wires as required
Additional wires loose in back	(Note: Damper Module does not interlock). Wrong wiring kit used	Remove additional wiring loom.
No indicator lamp for button pushed	Faulty lamp	Check lamp operation with "LAMP TEST" button. Replace module, return faulty module for repair or replacement.
Damper position request not being activated	Plug/loom not fitted. Not programmed.	Check plug fitted, looms connected to FDCI222 module. Check programming
Unit will not turn on	Power is not connected to CN5 header	Connect power to CN5, or move power from CN6 to CN5 (wrongly connected)