

Safeguard V5 DCP

Safeguard V5 Damper Control Panel



QUICK FACTS

- Flexible software allowing easy, last-minute, non-bespoke changes to fire strategies.
- Supports complex cause-and-effect scenarios.
- More panels can be networked together for large-scale building management.
- Includes an embedded computer with preloaded software, an uninterruptible power supply (UPS), and a digital input / output device (DIO).
- Easily integrates with Building Management Systems (BMS) via BACnet or RS485.

SAFEGARD V5 DAMPER CONTROL PANEL

Safeguard V5 is an addressable passive fire protection system for managing fire and smoke control dampers within HVAC (Heating, Ventilation, and Air Conditioning) systems.

The system supports complex cause-and-effect scenarios, such as customised zone containment, pressurisation, and smoke extraction.

The control panel consists of an embedded computer with preloaded software to communicate with damper interfaces, an uninterruptible power supply (UPS) to provide emergency power and control equipment shutdown, and a digital input/output device (DIO) to process digital input signals (from, for example, a fire alarm system or smoke detectors) and produce digital output signals (to, for example, fans or BMS systems).

Together, these components provide a reliable, integrated platform for managing fire and smoke damper operation in accordance with site-specific fire safety strategies.

Technical Information

Enclosure

Material	Mild steel
IP Rating	IP 30
Finish	RAL 7035 structured powder coating

Sizes

Sizes	Dimensions, mm (W x H x D)	Weights, kg (approximate)
1	500x500x210	25
2	600x600x210	30
3	600x800x210	35
4	800x800x210	40
5	800x1000x300	55

Supply

Input Voltages	(230 ± 23) V AC, 50 HZ
Maximum Power Consumption	750 VA

Inputs

Contact Type	Volt-free dry contacts
Sense Current	10 mA at 12 V DC per input

Outputs

Contact Type	Volt-free dry contacts
Maximum Switched Load	1 A at 24 V AC / DC

Environmental

Operating Temperature	0°C-40°C
Storage Temperature	-15°C-45°C
Humidity	80% RH at 31°C decreasing linearly to 50% RH at 40°C
Maximum Altitude	2000 m

Conformance

Electromagnetic Compatibility (EMC)	EN 61000-6-1: 2016 EN 55011: 2009 + A1: 2010 EN 61000-3-2: 2014 EN 61000-3-3: 2013
Low Voltage Directive (LVD)	EN 61010-1: 2010 + Corr 1

Maintenance

Mains Terminal Fuse Replacement	2 A T 250 VAC
Output Terminal Fuse Replacement	1 A T 250 VAC
Suggested Replacement	Bussmann S504 series



Indoor Use Only

Typical Network Schematic with SFDI-M Wiring Detail

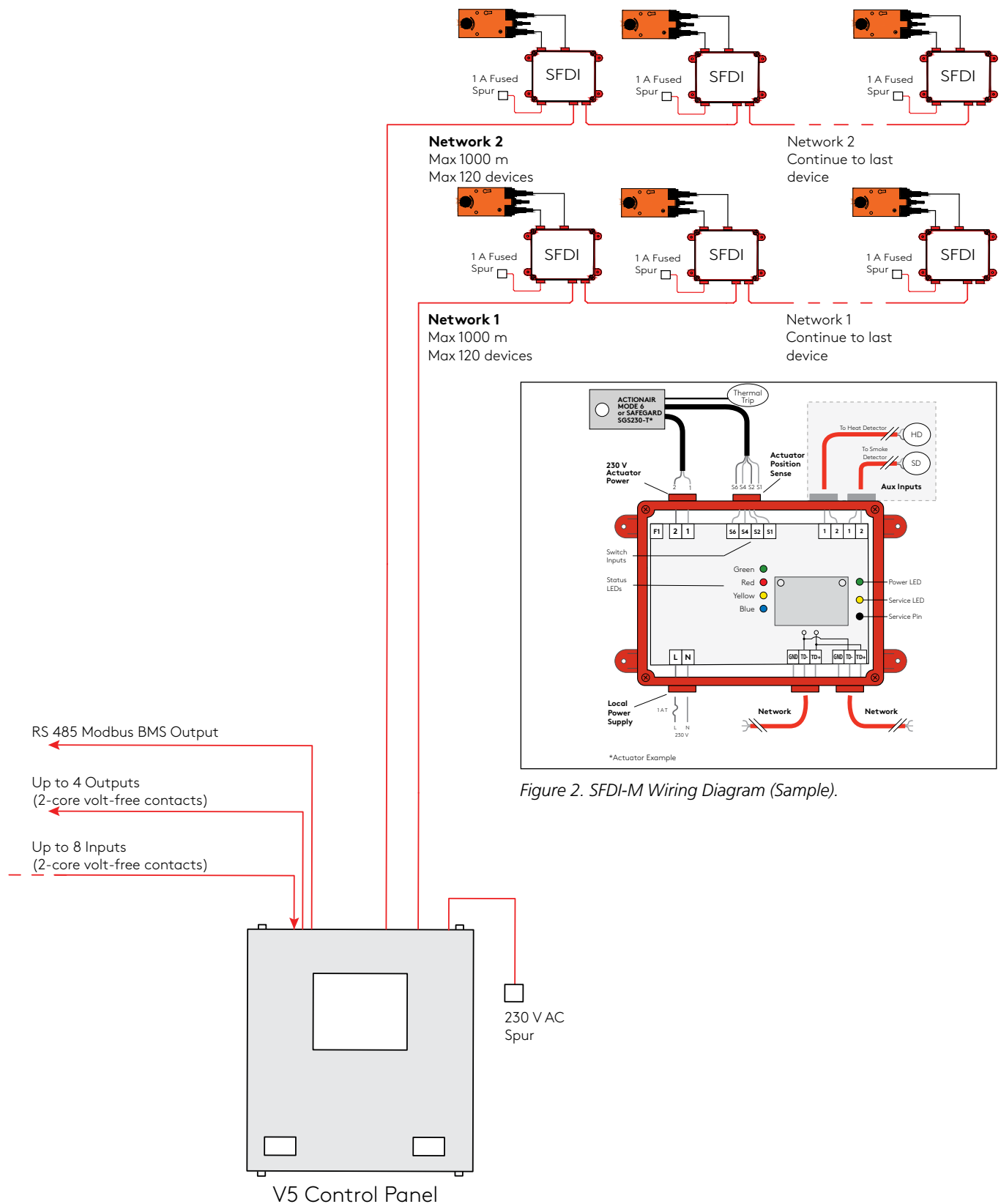


Figure 1. Typical Network Schematic.

Disclaimers

- The information herein is subject to change without notice. Safegard Systems Ltd do not assume any liability arising out of the use of this product.
- Purchase of goods and services is subject to Safegard Systems Ltd Terms and Conditions.
- If not agreed otherwise, all wiring is by others.

Warnings

- This product forms part of a life-safety system. Failure to correctly store, handle, install, and maintain the product will directly put at risk the lives of the occupants and the fabric of the building.
- The responsible body shall be made aware that, if the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Unauthorised modifications to Safegard panels and devices are not allowed, and will render the warranty void.

Safety Notes

- Only allow trained and qualified personnel to install, replace, or service this equipment.
- Adhere to the relevant local safety standards.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Related Documentation

- V5 Damper Control Panel Installation and Maintenance
- V5 User Guide
- Safegard V5 Catalogue

Documentation feedback

Please send any comments on this document to:

We appreciate your comments.

Obtaining Documentation

For the most recent version of this document, go to

or scan the QR code:



**Safegard Systems Ltd - specialists in fire dampers, smoke dampers,
and damper control and monitoring systems**

Unit 33,
Southern Cross Business Park,
Bray, Co. Wicklow, Ireland,
A98HT99

Tel: +35312761600
Email: info@safegard.ie
Web: www.safegard.ie

Safegard Systems Ltd is a Swegon group company.
© Copyright Safegard Systems Ltd 2026. All Rights Reserved.

