

Safeguard V5 MP

2026/09/15

Safeguard V5 Mimic Panel



Contents

Preface	3
Technical Information	4
Maintenance.....	4
Storing the Mimic Panel	5
Handling.....	5
Uninterruptible Power Supply (UPS) battery.....	5
Mounting the Mimic Panel.....	6
Location	6
Before attempting to mount the panel	6
Mounting the mimic panel.....	6
Installation	7
Fused spur and circuit braker.....	7
Installation.....	7
Precautions.....	7
Wiring diagrams	7
Connecting the Mimic Panel to the V5 Damper Control Panel	8
Cables	8
Maximum cable length	8

Preface

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

- Read and understand this document before installation. Follow all the instructions.
- 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.
- Unauthorised modifications to Safegard panels and devices are not allowed, and will render the warranty void.
- 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.



The panel contains electrostatic sensitive components. Please observe precautions for handling electrostatic sensitive devices.

Explanation of safety warnings



Danger indicates a hazard which, if not avoided, **will result in death or serious injury**.



Warning indicates a hazard which, if not avoided, **could result in death or serious injury**.



Caution indicates a hazard which, if not avoided, **could result in minor or moderate injury**.



Message not related to personal injury.

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.

Description of the user

This document is intended for a competent user. They should have sufficient knowledge, skills, and experience to perform electrical installations safely and correctly.

Conventions used in this document

Bold: Emphasis

Abbreviations used in this document

BMS - Building Management System

C - Connector

E - Earth

FT - Lonworks

GND - Ground

L - Live

LED - Light Emitting Diode

M - Modbus

N - Neutral

S - Switch

Related Documentation

- V5 Mimic Panel Product Sheet.
- V5 Damper Control Panel Installation & Maintenance.
- V5 User Guide.
- 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:



Go to
Contents

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	15
2	600x600x210	20

Supply

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

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
Suggested Replacement	Bussmann S504 series



Indoor Use Only

Storing the Mimic Panel

- To properly store a mimic panel, you must protect it from dust, dirt, and physical damage. Place it in a dry and secure location, away from environmental hazards, and within a protective box or a cabinet.
- Ensure that the mimic panel is accessible only to authorised personnel to maintain system integrity and security.
- Place the panel into a naturally vented area that is considered fire safe and free from high levels of shock and vibration.
- Do not allow the temperature in this area to reach or exceed the maximum operating temperature of the panel (40°C).



The panel contains electrostatic sensitive components. Please observe precautions for handling electrostatic sensitive devices.

Handling



Risk of injury due to heavy load.

Please apply the appropriate manual handling procedures when handling the mimic panel.

Sizes	Dimensions, mm (W x H x D)	Weights, kg (approximate)
1	500x500x210	15
2	600x600x210	20

Table 1. Mimic Panel Sizes, Dimensions, and Weights.

Uninterruptible Power Supply (UPS) battery

To facilitate the installation before the power is turned on, the UPS battery in the mimic panel is supplied with the fuses removed.

The battery is fully charged prior to shipment.

If the panel is to be kept in storage for more than four months, apply the power to it to maintain the battery's charge.

Go to
Contents

Mounting the Mimic Panel

Location

- Place the mimic panel into a naturally vented area that is considered fire safe and free from high levels of shock and vibration.
- Do not allow the temperature in this area to reach or exceed the maximum operating temperature of the panel (40 °C).

Before attempting to mount the panel


WARNING

Risk of injury due to heavy load.

- Be aware of the mimic panel dimensions and weights. Observe all health and safety procedures when handling the mimic panel. See *Table 2* below.
- Ensure unrestricted access to the mimic panel, and its internal components and connections.
- Place the mimic panel at the height where the centre of the PC is just above normal eye level (approximately 1.5 m).

Mounting the mimic panel

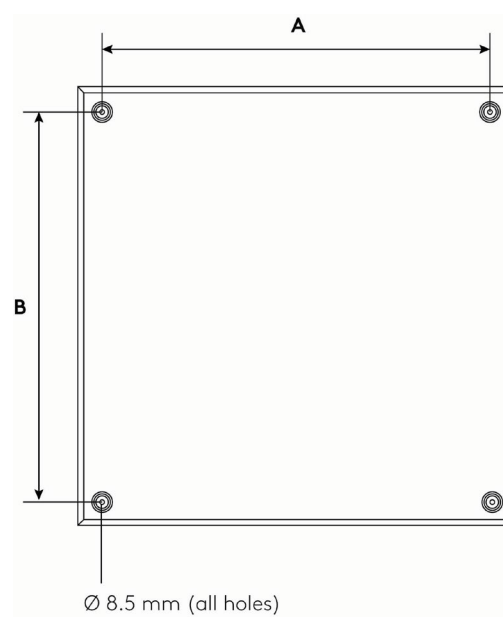


Figure 1. Mounting Diagram.

- Drill four holes as per *Figure 1* and *Table 2*.
- Use appropriate screws and fittings for the material of your wall.
- Ensure the panel is level and properly aligned.
- Only use the mounting brackets provided.
- Flush mount brackets are available on request.

Mimic Panel Sizes	Mimic Panel Dimensions, mm (W x H x D)	Mimic Panel Weights, kg (approx.)	Distances between Holes, mm	
			A	B
1	500x500x210	15	460	460
2	600x600x210	20	560	560

Table 2. Mimic Panel Sizes, Dimensions, Weights, and Distances between Holes.

Go to
Contents

Installation



Precautions

- Only allow trained and qualified personnel to install the mimic panel.
- Adhere to the relevant local safety standards.
- The mains wiring should comply with **IEC 60227** or **IEC 60245**.
- You **must** earth the panel.



DANGER

Danger of electric shock if the panel is not earthed.

Fused spur and circuit breaker

- Include a fused spur and a circuit breaker as part of the installation. They must both meet the relevant requirements of **IEC 60947-1** and **IEC 60947-3**.
- Place the fused spur and the circuit breaker near the mimic panel and within easy reach of the operator.
- Mark the fused spur and the circuit breaker as the disconnecting device for the equipment.

Installation

1. Disconnect the local supply.
2. Wire the mains supply feed. See *Figure 2*.
3. Secure the mains cable using a cable gland.
4. Wire the incoming mains cable: live (brown) and neutral (blue) wires to the main terminal. See *Figure 3*.

NOTE:

Maximum incoming mains cable size is 4 mm².

5. Connect the incoming earth (green and yellow) wire to the protected stud or earth bar. See *Figure 3*.

NOTE:

Fit the mains cable in such a manner that the earth wire should be the last to disconnect if subjected to strain.

6. Tie wrap the mains wires to prevent slippage.
7. Apply power to the panel.
8. Ensure the gland plate is put back into place.
9. Lock the panel.

Go to
Contents

Wiring diagrams

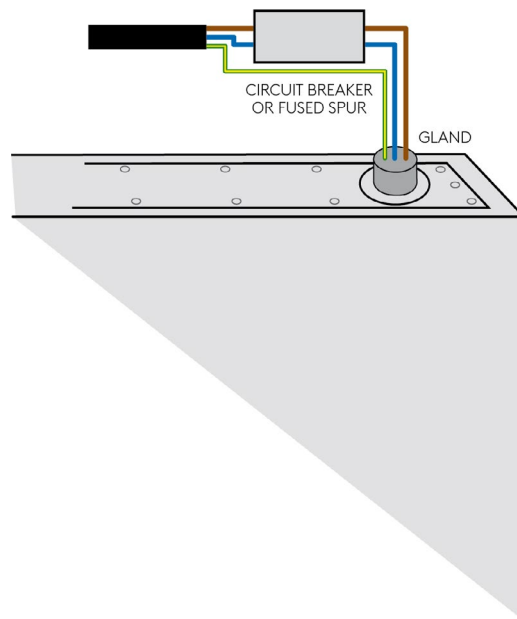


Figure 2. Mains Supply Feed.

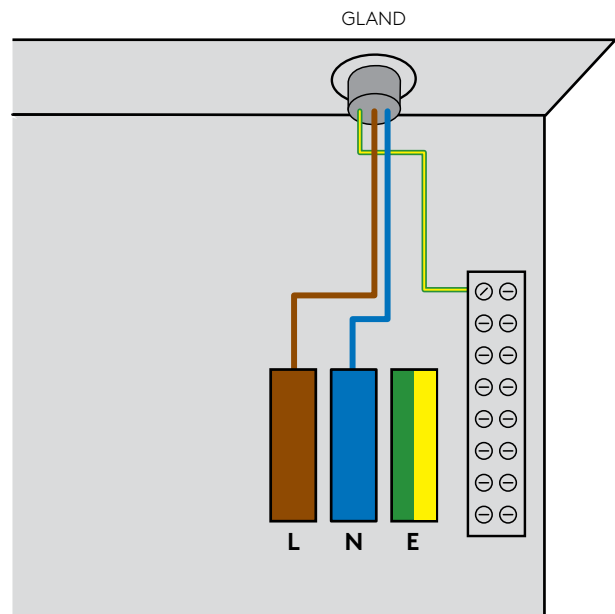


Figure 3. Incoming Mains Cable.



WARNING

Keep the panel closed to ensure no wires are exposed that could cause electrical shock.

NOTICE

Keep the panel closed to prevent the internal mechanisms from being exposed to dust, dirt, and moisture.

Connecting the Mimic Panel to the V5 Damper Control Panel

Cables

- Only use Cat 5/6 cable.
- Refer to the Cat cable wiring standards.
- The Cat 5/6 cable entered into each panel must have a RJ45 head fitted to the end of each cable (by others).
- A maximum of 4 of Cat 5/6 cables can be accommodated in each panel (in line with the number of ports available).
- If additional cables are to be brought into the panel, contact Safeguard Systems Ltd for assistance.

Maximum cable length

- The maximum cable length between any networked panels is 100 m.
- If the cable length between panels is over 100 m, contact Safeguard Systems Ltd for assistance.

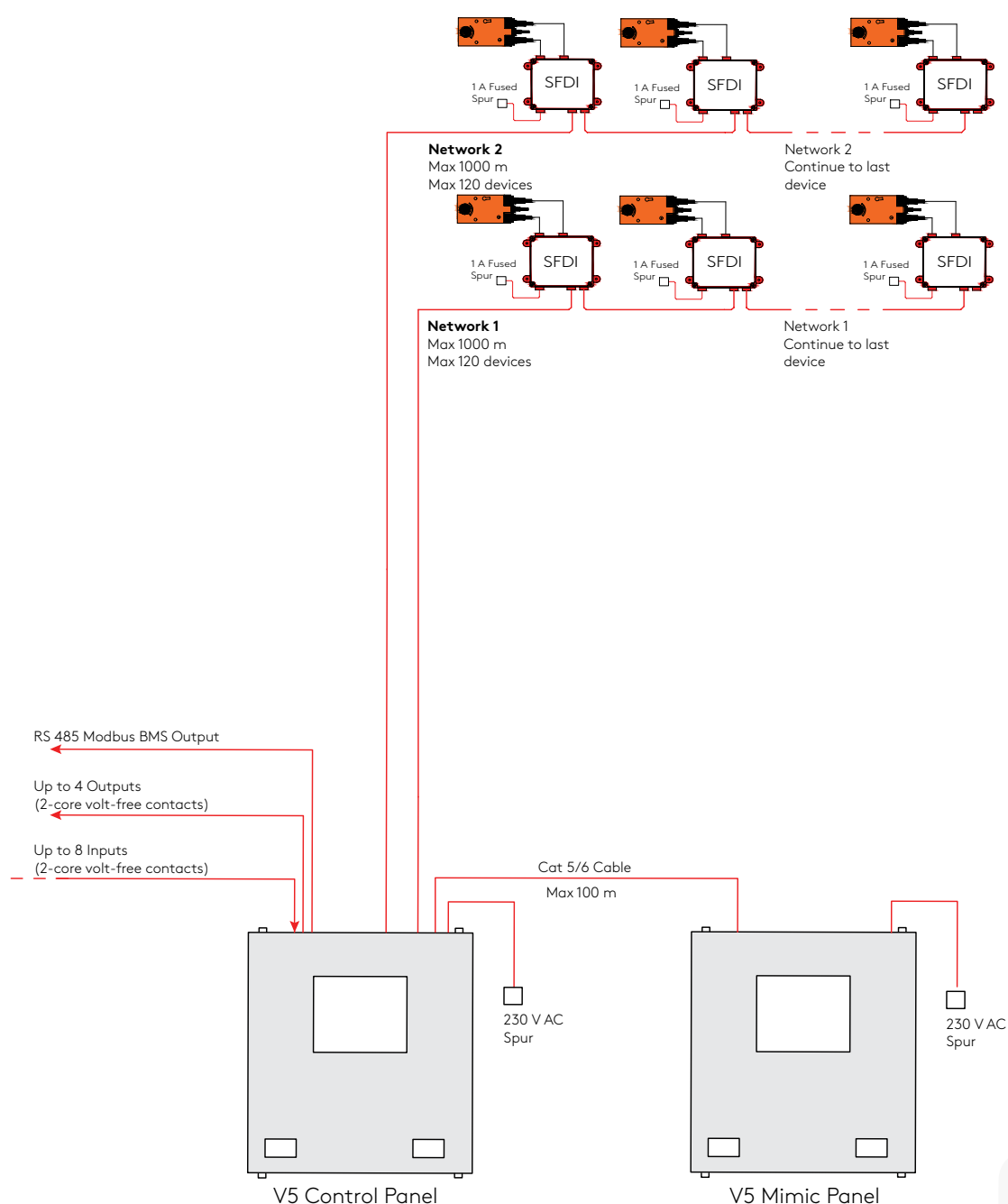


Figure 4. Typical Network Schematic.

**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.

