

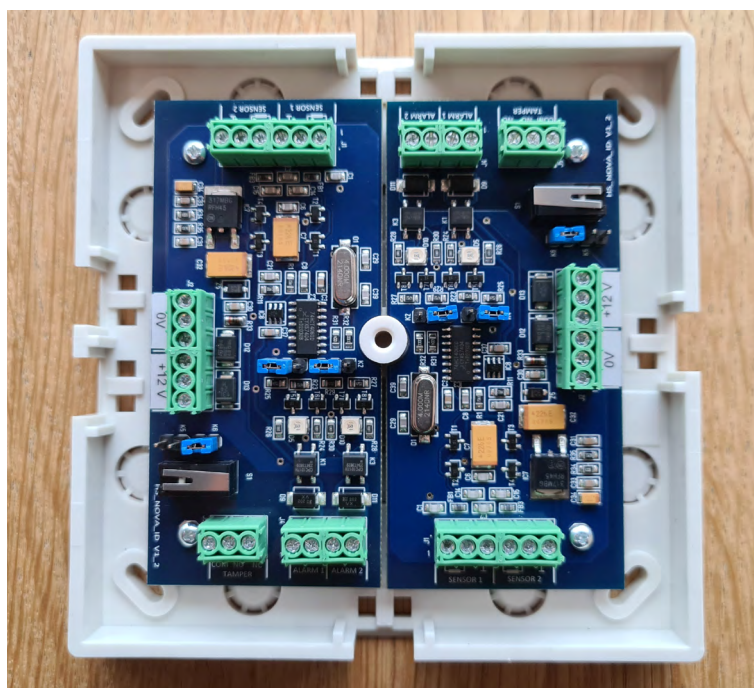


## Sky-Frame

### Installation instructions “AWE Nova” evaluation unit

#### Installation instructions

Connection of the “AWE Nova” evaluation unit.



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### Installation instructions “AWE Nova” evaluation unit General information

#### 1.1 Information concerning this manual

These instructions are the property of Sky-Frame AG, and are exclusively intended for personnel authorised by Sky-Frame.

Passing on to third parties and duplication of the document or parts thereof are strictly forbidden!

#### 1.2 Explanation of symbols

The following symbols must be noted.

#### 1.3 Safety instructions

Safety instructions are marked by symbols in these instructions that indicate the level of danger.

Adhering to the safety instructions will help to avoid accidents, injuries and damage to property.



When opening and removing the packaging, it must be ensured that the cables are not damaged.

#### **WARNING!** (Danger to life and limb)

This symbol indicates a potentially dangerous situation that could lead to death or serious injury if it is not avoided.



#### **CAUTION!** (Risk of fault)

This symbol indicates a potential risk of fault that could cause damage to property if it is not heeded.



#### 1.4 Tips and recommendations

#### **NOTE:**

This symbol highlights useful tips and recommendations for efficient and fault-free installation.



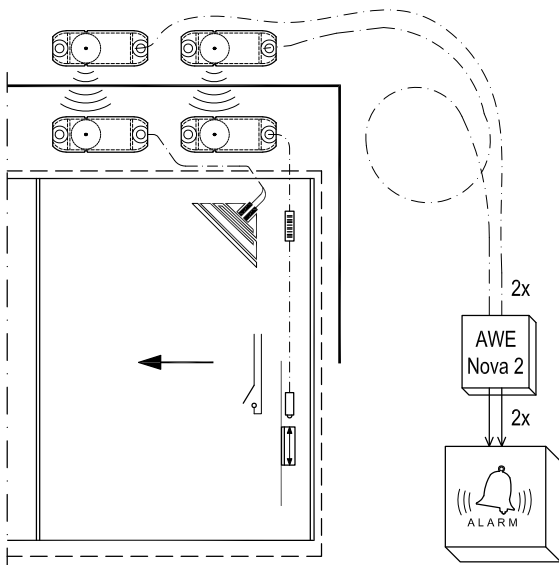


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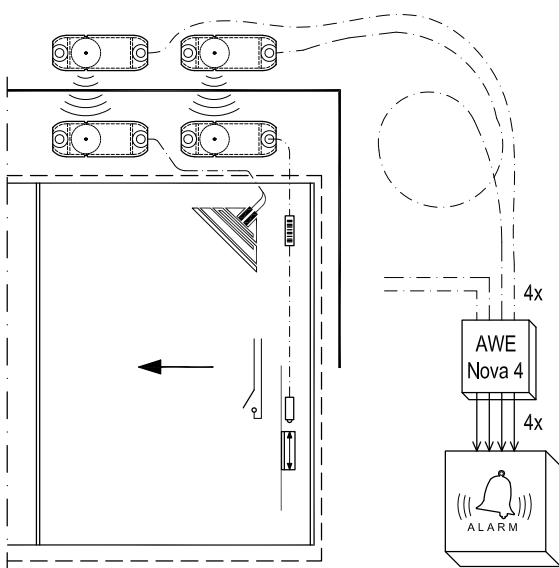
### Installation instructions “AWE Nova” evaluation unit Product description

#### 2. Product description

AWE Nova 2, with 2 inputs and outputs:



AWE Nova 4, with 4 inputs and outputs:



The “AWE Nova” evaluation module can be used with existing installations as a replacement product for the discontinued IDENTLOC system. This evaluation unit detects the IDENTLOC sensors automatically and evaluates the status thereof. The Honeywell sensors can be connected to sensor input 1 and 2, and now also be evaluated independently.

4 sensors can be evaluated separately by combining 2 circuit boards. 2 circuit boards per housing can be integrated.

- **AWE Nova 2** = 2 sensor inputs and outputs (1 circuit board)
- **AWE Nova 4** = 4 sensor inputs and outputs (2 circuit boards)

The respective alarm outputs relate to the sensor inputs with the same number. The open / closed status of the sensor is indicated on the circuit board using a red LED.

#### Technical data:

Nominal operating voltage	12 V DC
Operating voltage range	10 V - 15 V DC
Power consumption (with 12 V DC)	Evaluation unit <12 mA per sensor <3 mA per LED <1.3 mA
Contact rating	Relay contact (2 x change-over) 15 VDC / 200 mA Sabotage contact 15 V / 0.2 A
Sensor connections	2 IDENTLOC transmit units with housing IP40 (EN 60529)
Protection class	
Operating temperature range	-5 °C to 45 °C
Storage temperature range	-25 °C to +70 °C
Dimensions:	
1x circuit board (W x H)	85 mm x 42 mm
1x housing (W x H x D)	118 mm x 118 mm x 31 mm
Housing colour	Traffic white (Similar to RAL 9016)



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### Installation instructions “AWE Nova” evaluation unit Technical description

#### 3. Technical description

The circuit board is supplied with 12V DC at terminal J2.

The IDENTLOC is connected to sensor 1 or 2. The status of the sensor input is indicated by the relevant red LED. If the input is open it illuminates in red; if it is closed it goes off. Alarm output 1 is dependent on the sensor 1 input, and alarm 2 on the sensor 2 input.

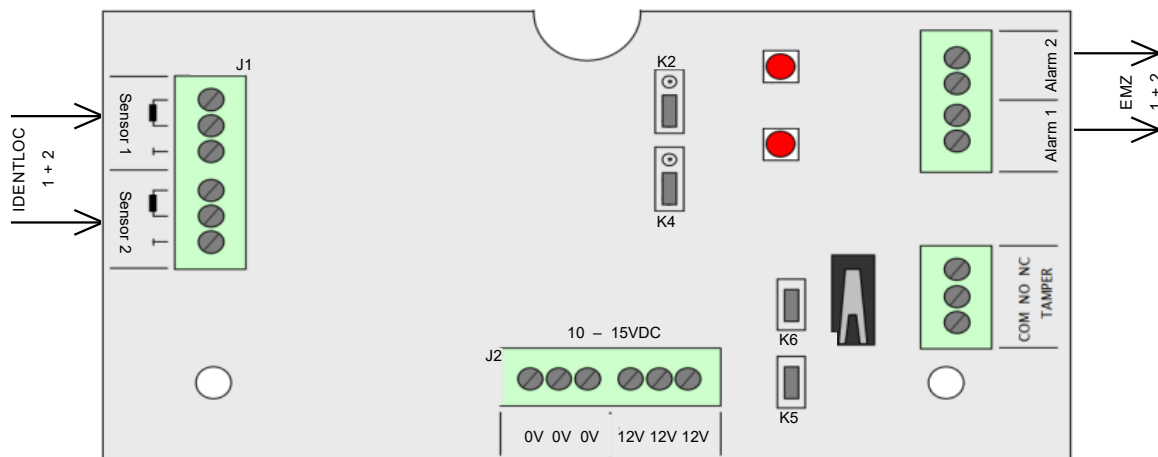
The alarm 1 + 2 outputs are both switched potential-free. The maximum switching voltage is 15V DC with a maximum of 200mA. The alarm output can be switched from NC to NO using a jumper. Jumpers K2 and K4 are set to NO without a power supply by default.

The sabotage contact can be activated and deactivated using a jumper. The sabotage contact is active and jumper K6 is plugged in by default. If the jumper is plugged into K5, the sabotage contact is not functional. If no sabotage contact is required, the jumper can remain plugged into K6.

If the circuit board is being supplied with power and the relevant alarm input is closed, the associated alarm output is also closed and remains activated.

If the voltage is disconnected or the induction transmitters at the input are opened, the output switches to open.

Schematic diagram of a circuit board:



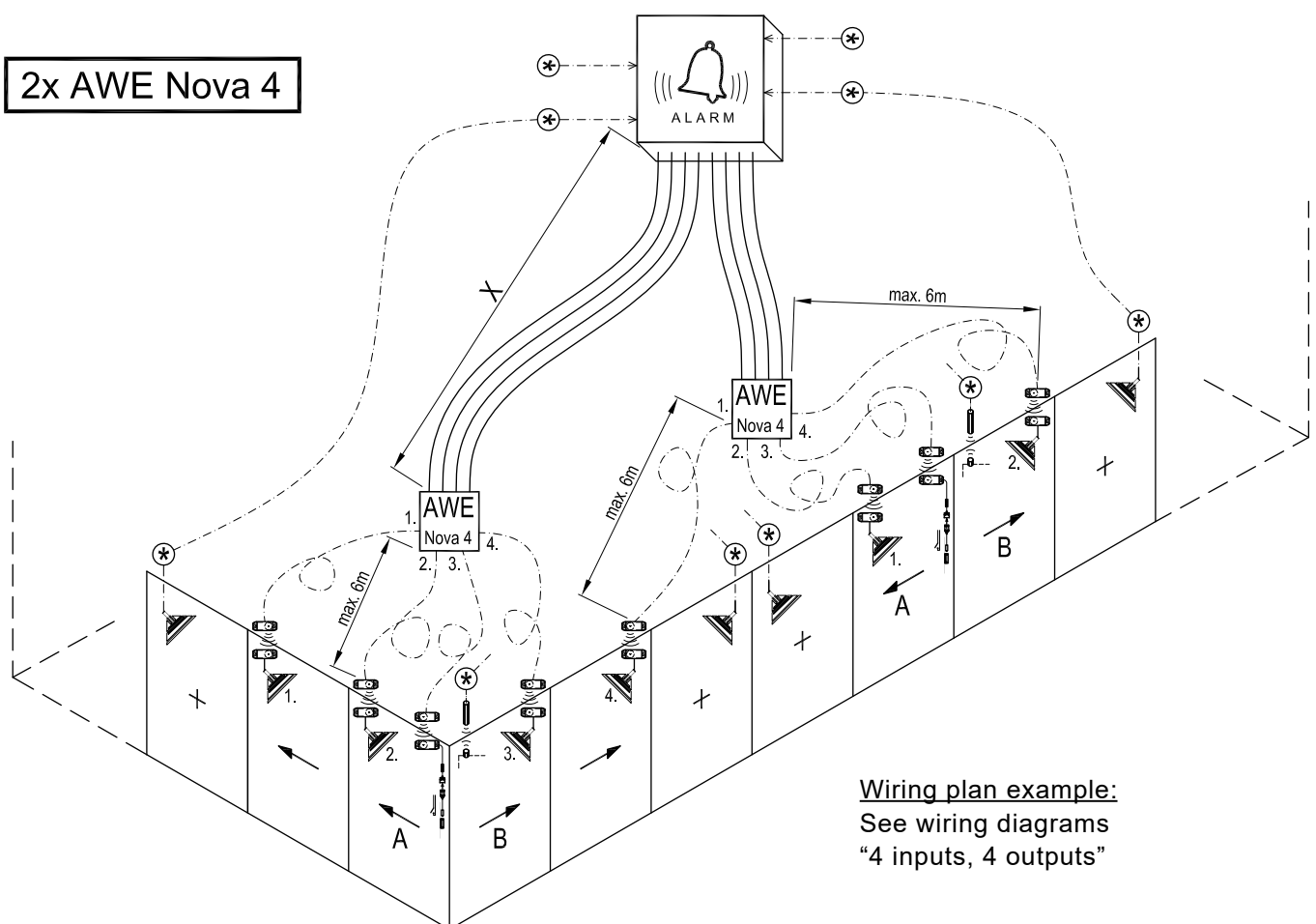


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### Installation instructions “AWE Nova” evaluation unit Wiring plan example

#### 4. Wiring plan example

Example with glass breakage monitoring (G), deadbolt monitoring (R) and position monitoring (P):



Wiring plan example:  
See wiring diagrams  
“4 inputs, 4 outputs”

Cable length “X” = extendible to any length

⊛ = connected directly to the burglar alarm (EMZ)

#### **WARNING!**



Installation must only be carried out by authorised experts! Soldering and connection work within the overall system must always be carried out in a de-energised condition.



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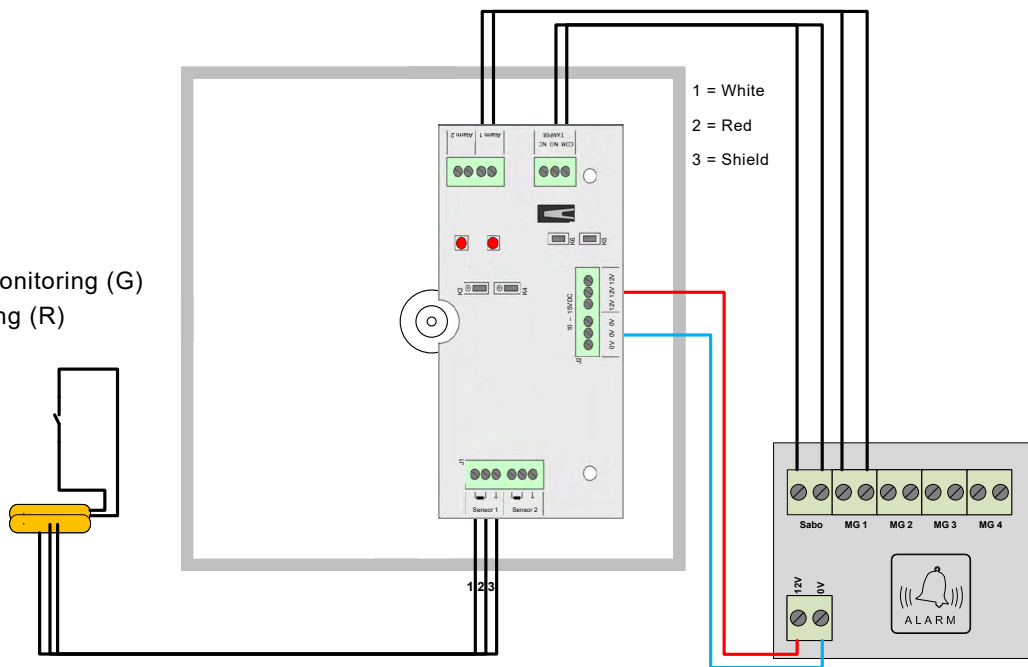
### Installation instructions “AWE Nova” evaluation unit Wiring diagrams

#### 5. Wiring diagrams

Examples of different application variants:

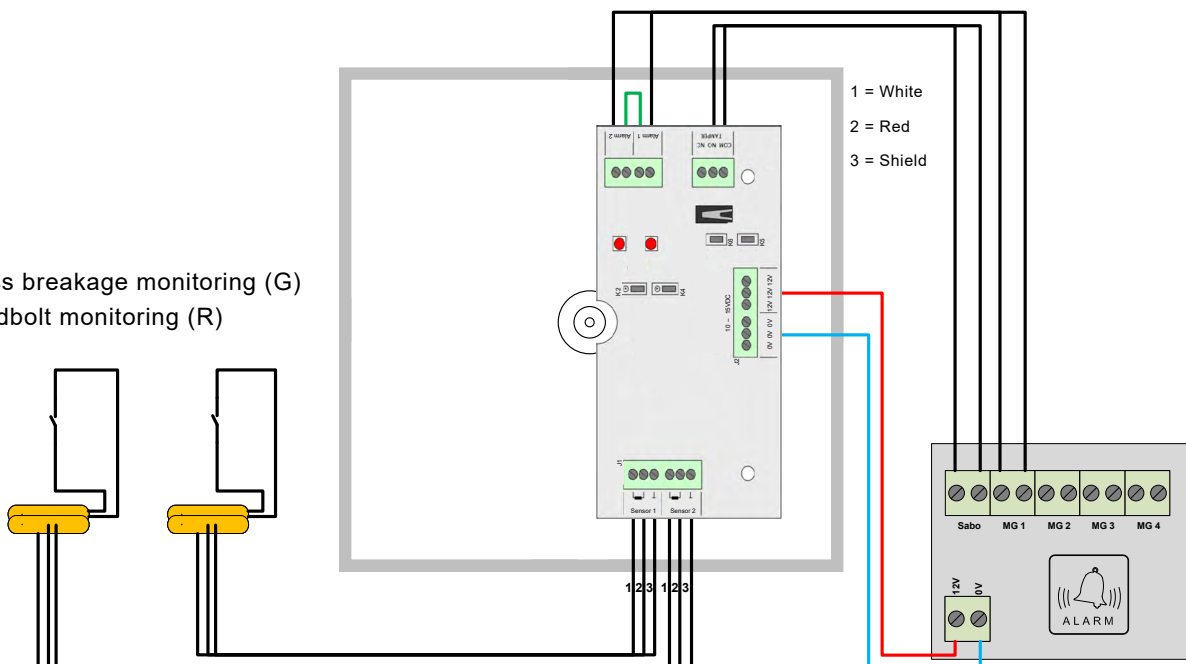
#### 1 input, 1 output:

- Glass breakage monitoring (G)
- Deadbolt monitoring (R)



#### 2 inputs, 1 output:

- Glass breakage monitoring (G)
- Deadbolt monitoring (R)





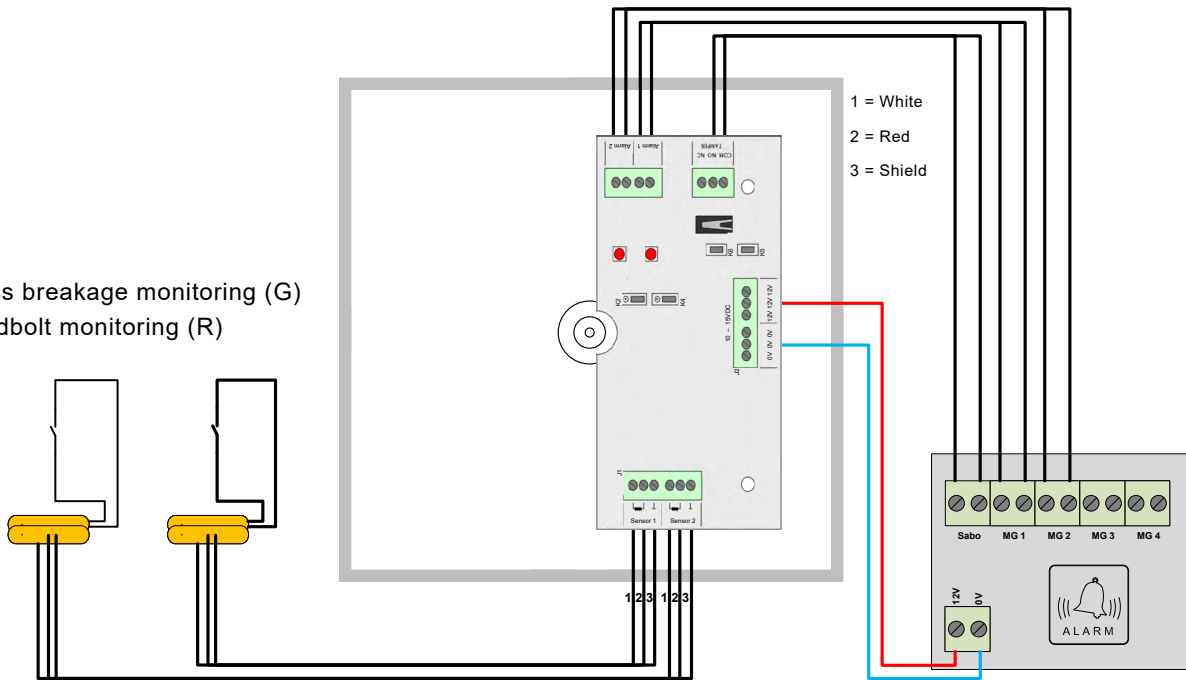
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### Installation instructions “AWE Nova” evaluation unit Wiring diagrams

#### 5. Wiring diagrams Examples of different application variants:

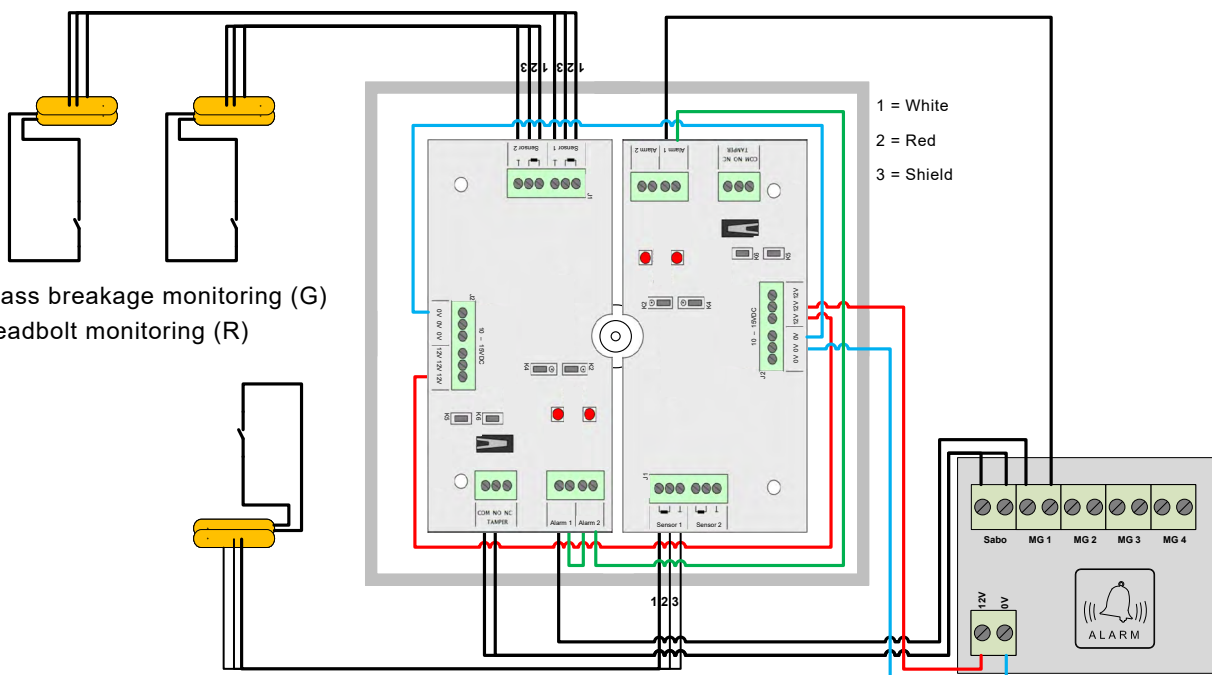
##### 2 inputs, 2 outputs:

- Glass breakage monitoring (G)
- Deadbolt monitoring (R)



##### 3 inputs, 1 output:

- Glass breakage monitoring (G)
- Deadbolt monitoring (R)





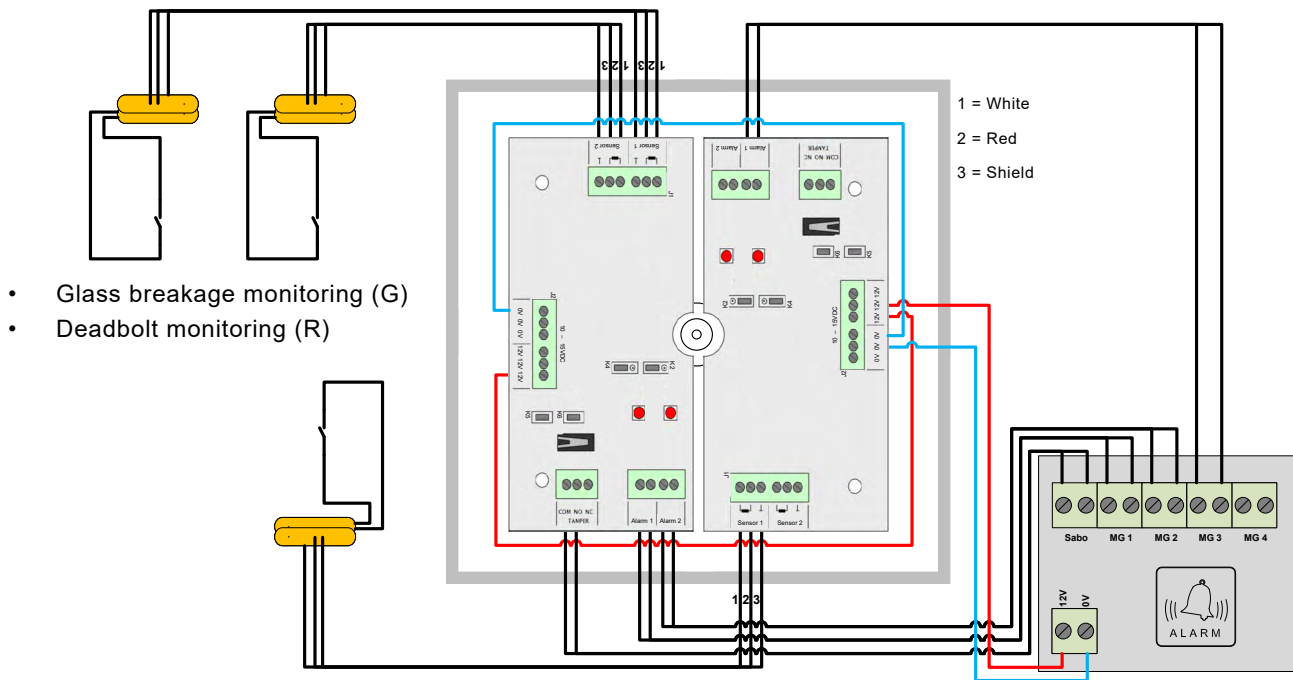
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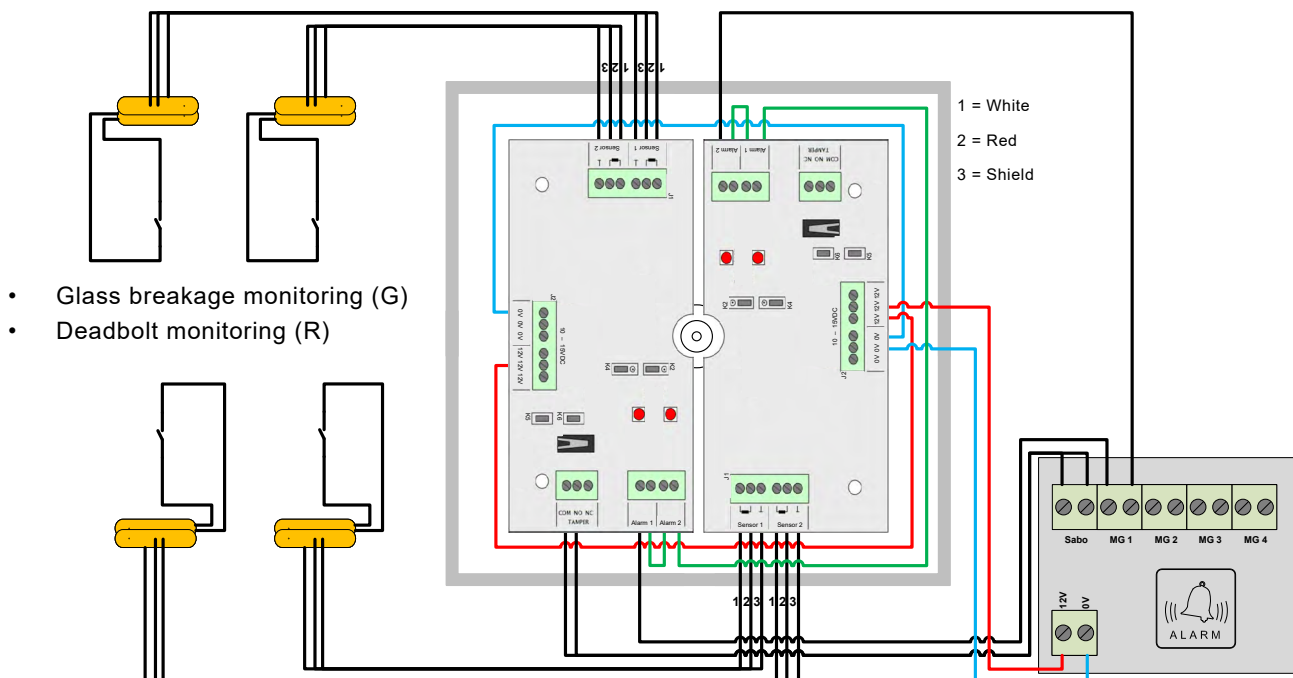


#### 5. Wiring diagrams Examples of different application variants:

##### 3 inputs, 3 outputs:



##### 4 inputs, 1 output:



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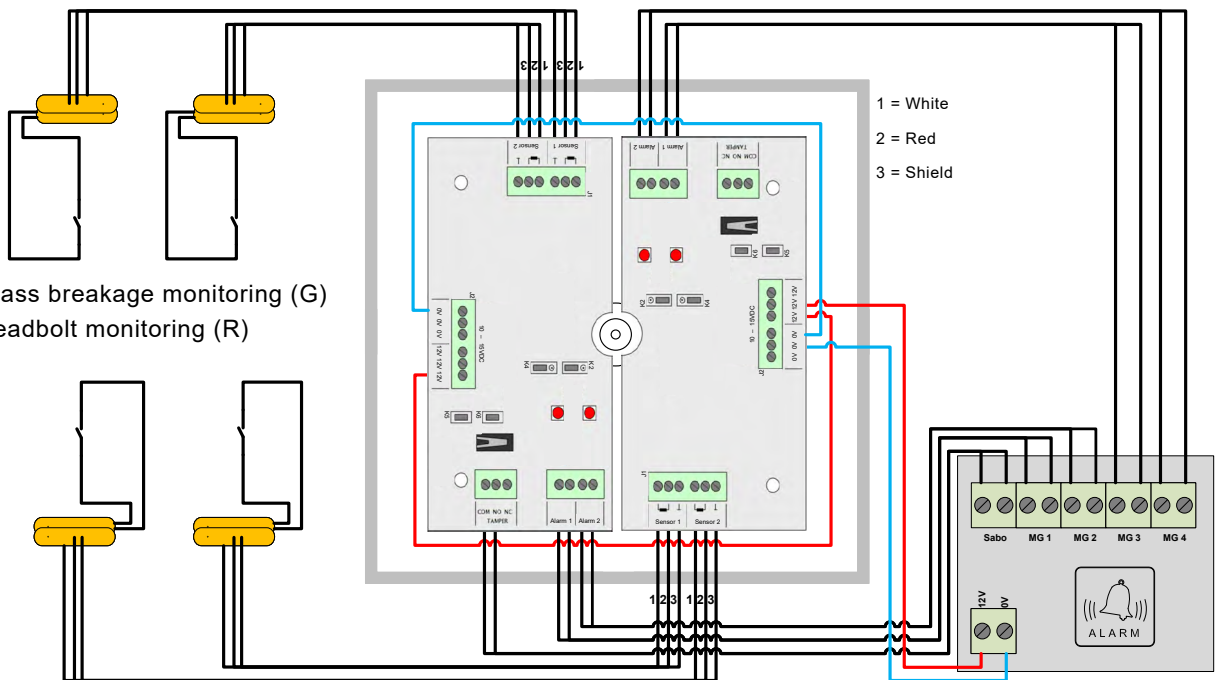


### Installation instructions “AWE Nova” evaluation unit Wiring diagrams

#### 5. Wiring diagrams Examples of different application variants:

4 inputs, 4 outputs:

- Glass breakage monitoring (G)
- Deadbolt monitoring (R)





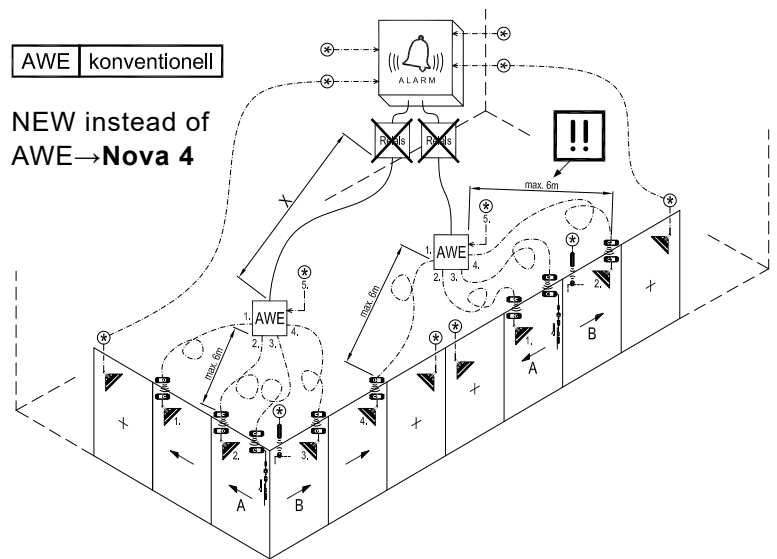
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### Installation instructions “AWE Nova” evaluation unit Conversion

#### 6. Conversion

If an existing “AWE Identloc” needs to be replaced, an “AWE Nova 4” (with 4 sensor inputs / 2 circuit boards) can be installed in its place. A relay is no longer required.

When ordering the new AWE it must be considered whether this should be prepared with 4 outputs or (internally wired) with just 1 output, depending on the cable duct capacity / diameter and the possibility of connecting to the burglar alarm. All previous “AWE Identloc” only had one output.



Please note:  
The “AWE Nova” is not VdS certified.

#### Disclaimer

All specifications are non-binding and must not be regarded as a guarantee.

Sky-Frame AG reserves the right to modify, extend or delete the specifications, product data and appearance without notice. The latest version of this document is always decisive, which can be downloaded from the [Partner Page](#).

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