KMS-30 / Access magnet sensor

Documentation page: https://vutlan.atlassian.net/wiki/spaces/DEN/pages/549847042/KMS-30+Access+magnet+sensor

Product page: https://vutlan.com/contacts/63-kms-30.html

Function and purpose

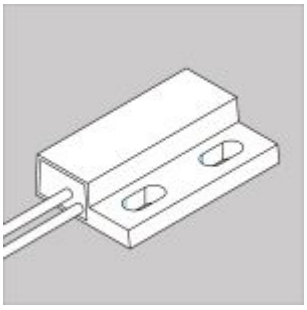
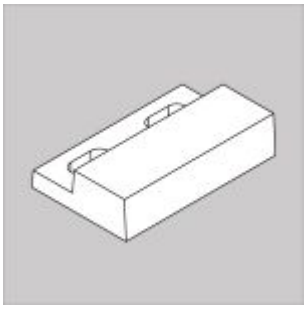
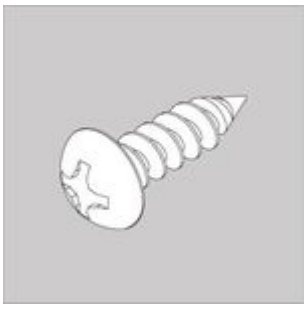
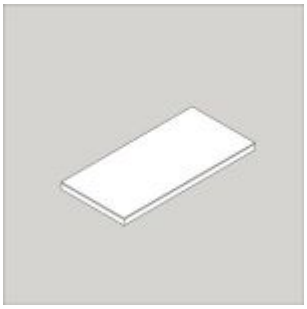
For installation inside of IT racks and cabinets, enclosures, doors, and windows. It is used to detect the opening of doors or windows, garage doors, rack doors, ie . in places , where it is necessary surveillance by means of opening the magnetic contact . It is but also compatible with many alarms other 3rd party brands. Detection is based on the separation of two magnetically interconnected parts, of one which is located on the frame door / window and the other on the door / window. This simple sens or of the basic set alarm requires no power supply, it is powered directly from the main unit alarm, simply connect it to dry contact inputs of the Vutlan monitoring system.

Technical specifications

KMS-30	
Recommended operating humidity	5 - 95%
Operating temperature range (TT)	-10 - 50 °C
Components	Manufactured in E.U.
Max. distance	500 m.
HS Code	8531 10 300

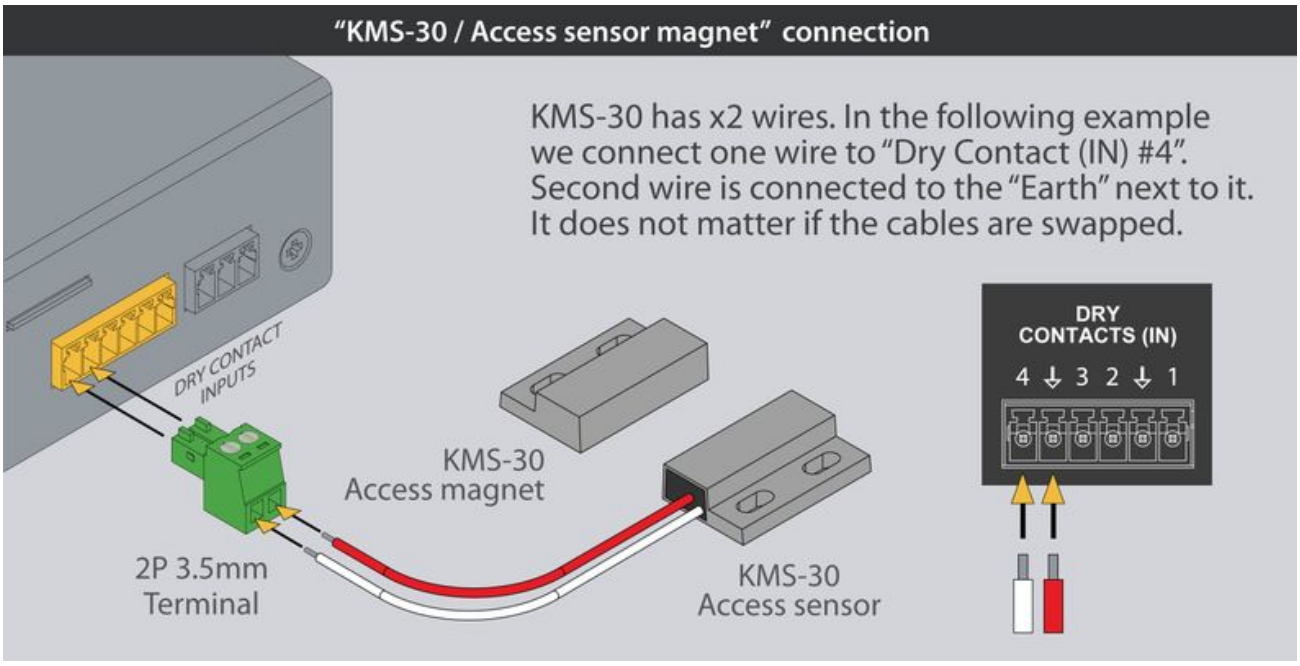
Package includes

	Package content	Description

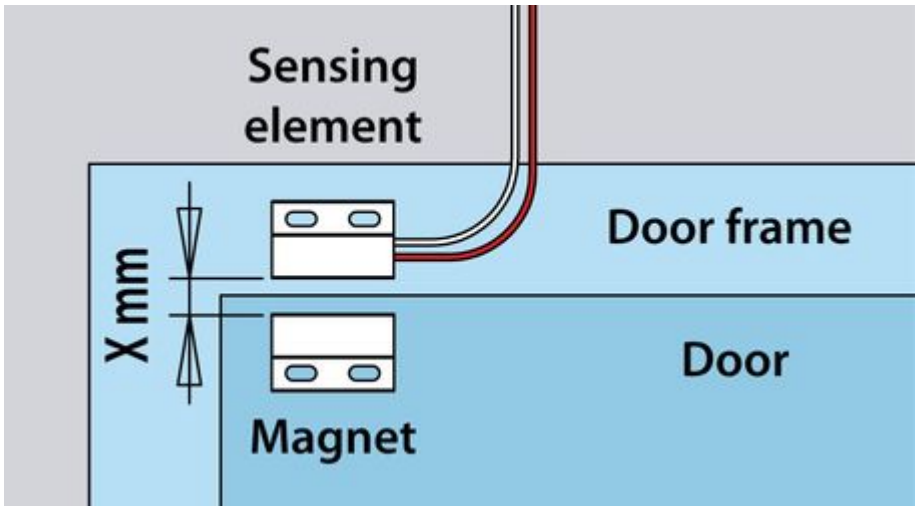
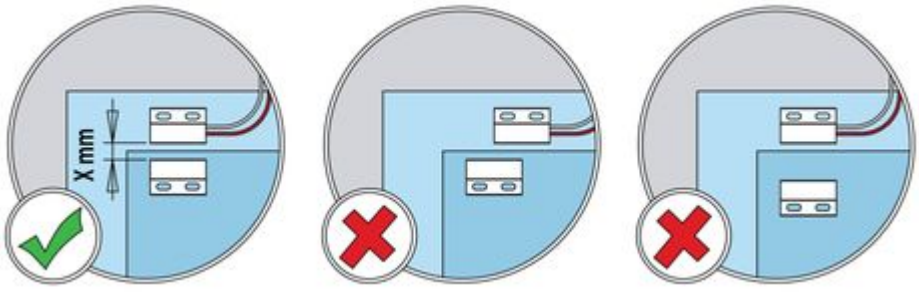
1		Sensor - 1 pc
2		Magnet - x1 pc
4		Screws M3 12.5mm - x4 pcs
7		Sticker - x2 pcs

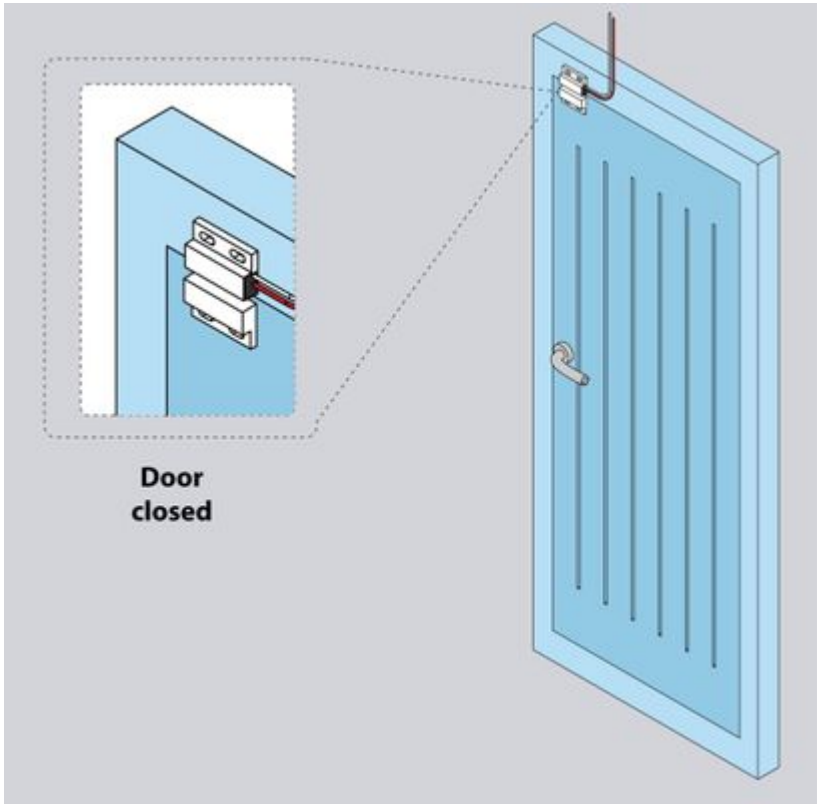
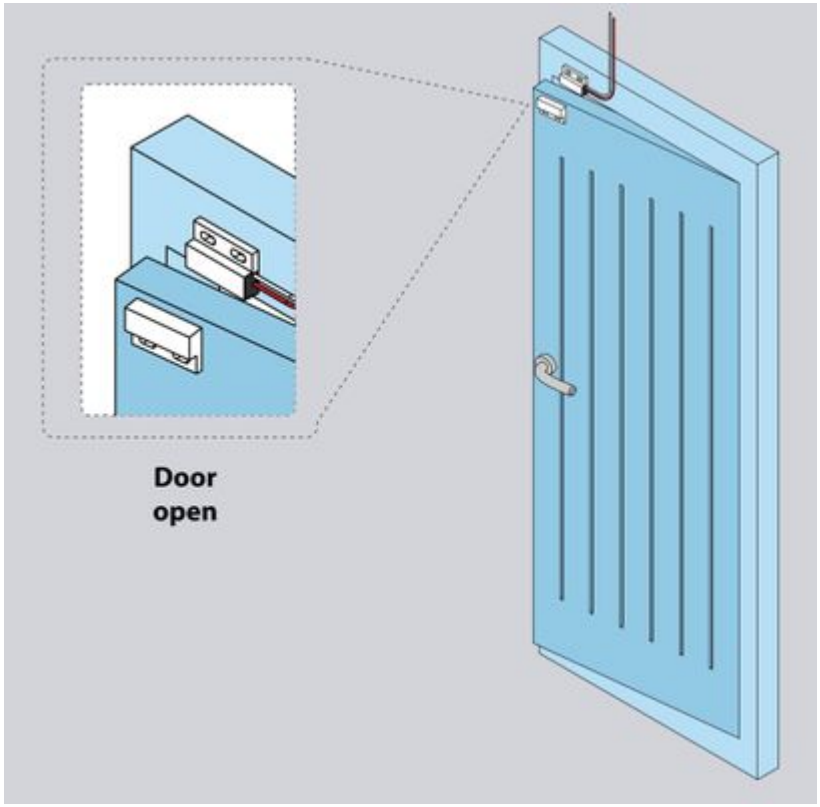
Connection

1. Connect sensor's x2 cables to the 3.5mm power terminal connector as shown in the picture below. Cables may be swapped.
2. Insert the terminal into the "Dry contact Input" of the Vutlan monitoring system.

3. 

Installation / mounting

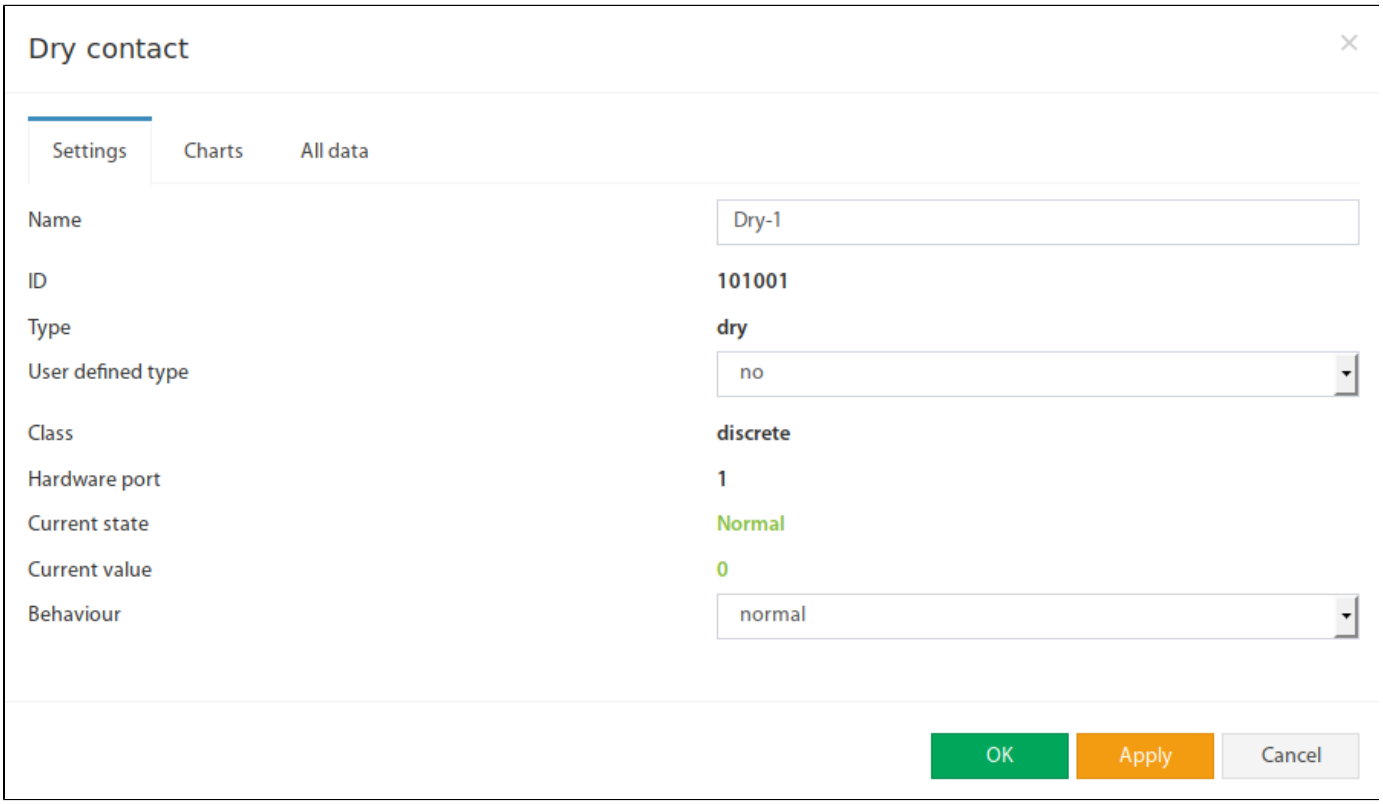
1		1. Mount the "Magnet" (does not have wires) on the door or window using the sticker or two screws supplied in the package. 2. Mount the "Sensing element" (has two wires) on the door or window frame.
2		1. Make sure to align the sensors to each other. 2. Make sure to turn them to each other as displayed in the picture. 3. The distance between the magnet and the sensing element should not exceed 8-10mm.

3		1. When the door is closed, the contact is closed. By default, the sensor is in a normal state. The initial state of the sensor can be changed in the web interface.
4		1. When the door is open, the contact is closed. By default, the sensor goes to an alarm state. The initial state of the sensor can be changed in the web interface.

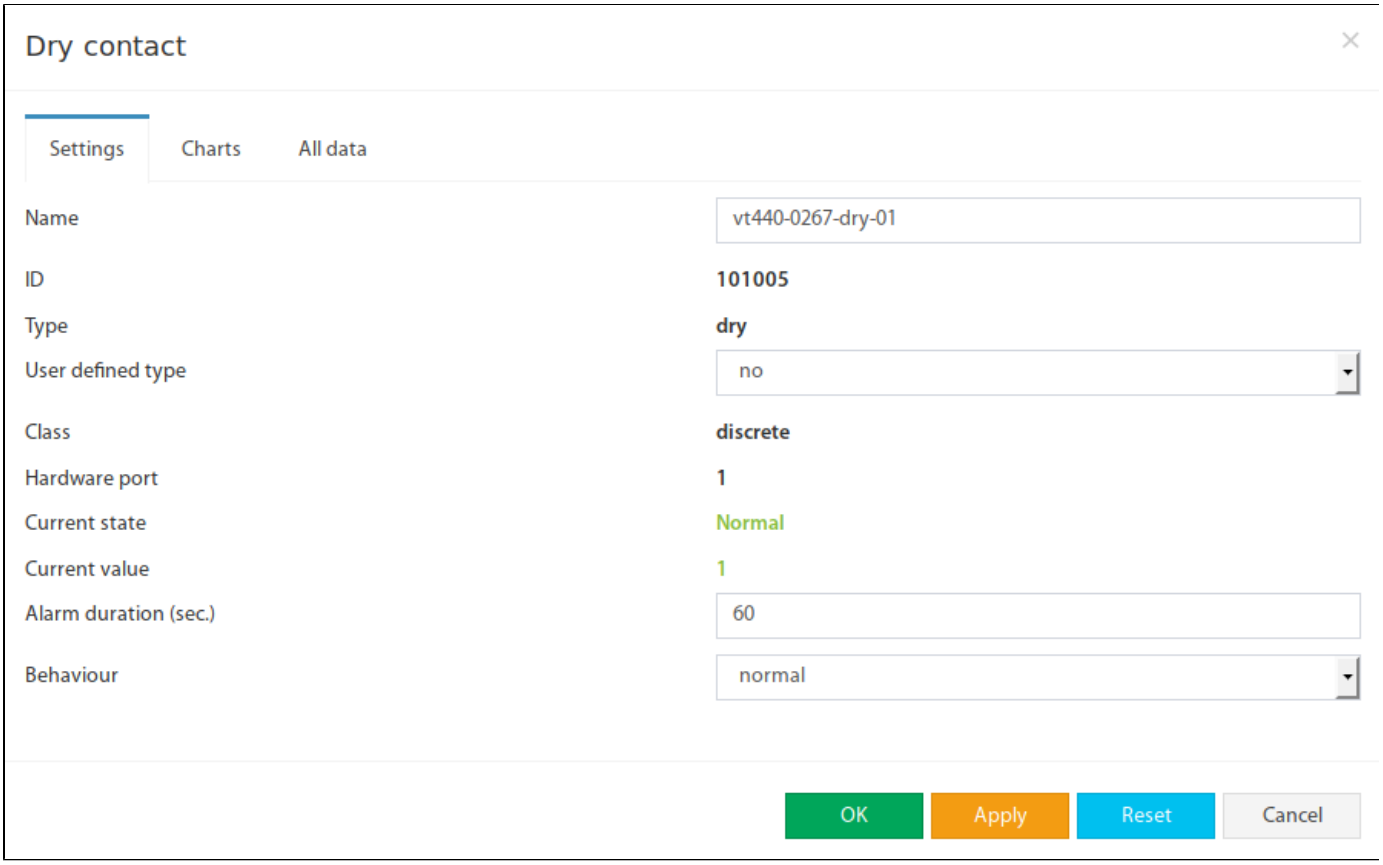
Configuration

Other pages of interest include: "Connecting dry contacts inputs".

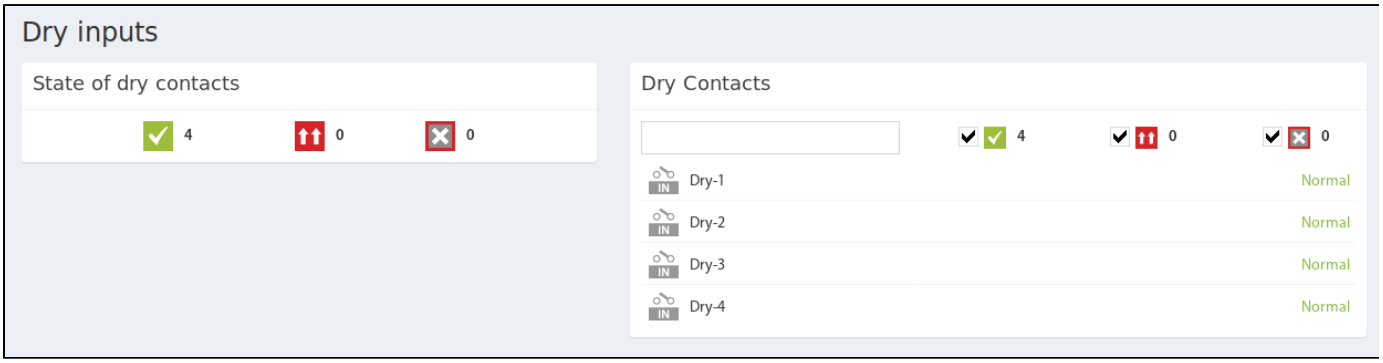
For internal contacts, you can specify the type of behavior (normal or reversive) and specify the type of input. "User-defined type" only affects the icon in the interface. Types can be following: airflow, door, motion, smoke, vibration, water, and no special type (by default).



For dry contacts on the CAN bus, "Alarm" duration control is also available. This holds on an active level when the signal is already removed from the input. This allows you to suppress the instability of the input signal, if necessary.

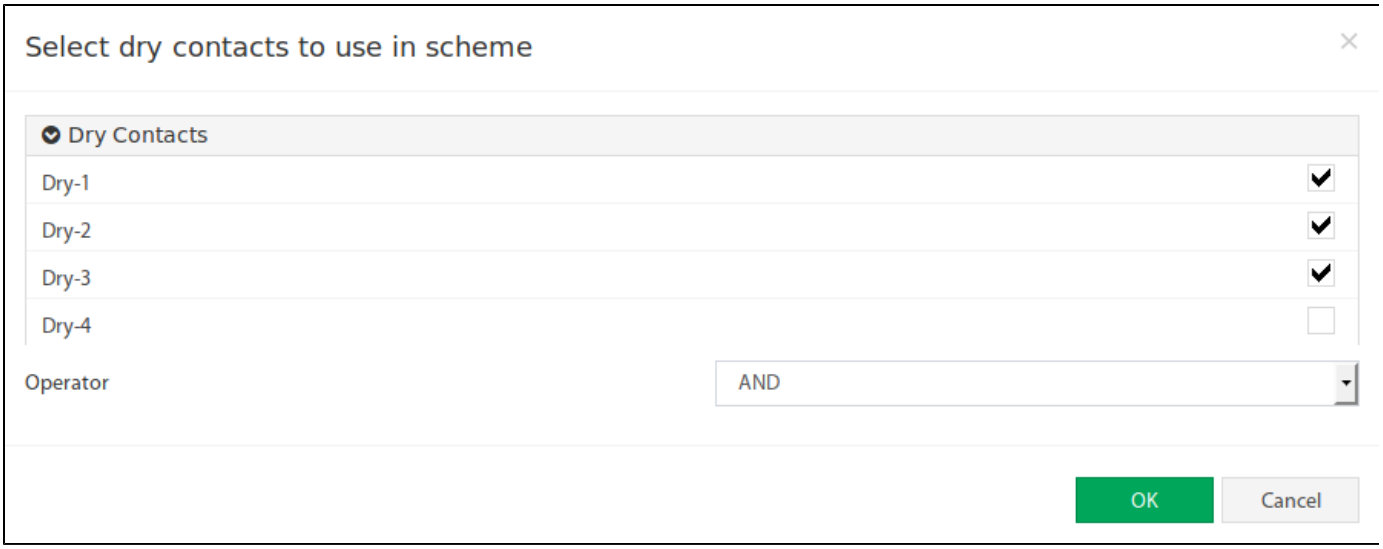


The dry contacts window is designed to control dry contacts of internal dry inputs, VT440, VT16, and other extensions. The general view is shown here:

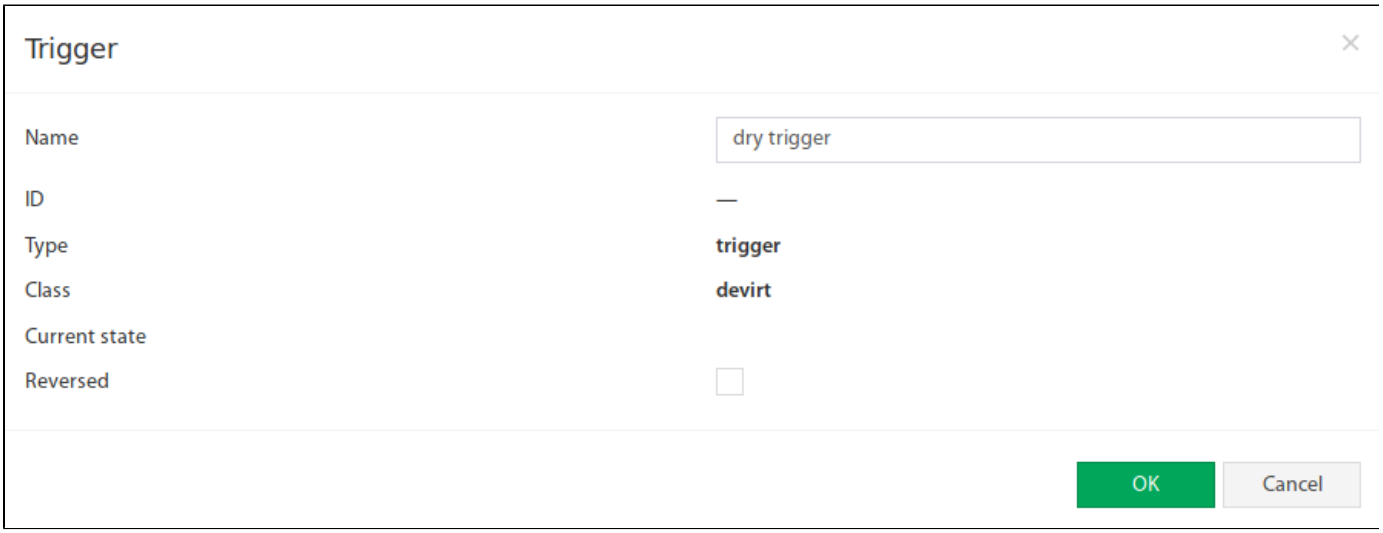


To create the logic for an arbitrary group of contacts press the button "  " in the upper left corner. This starts with a wizard creating a logic circuit.

As the first step of the wizard, you must select the dry contacts to create a logical scheme.

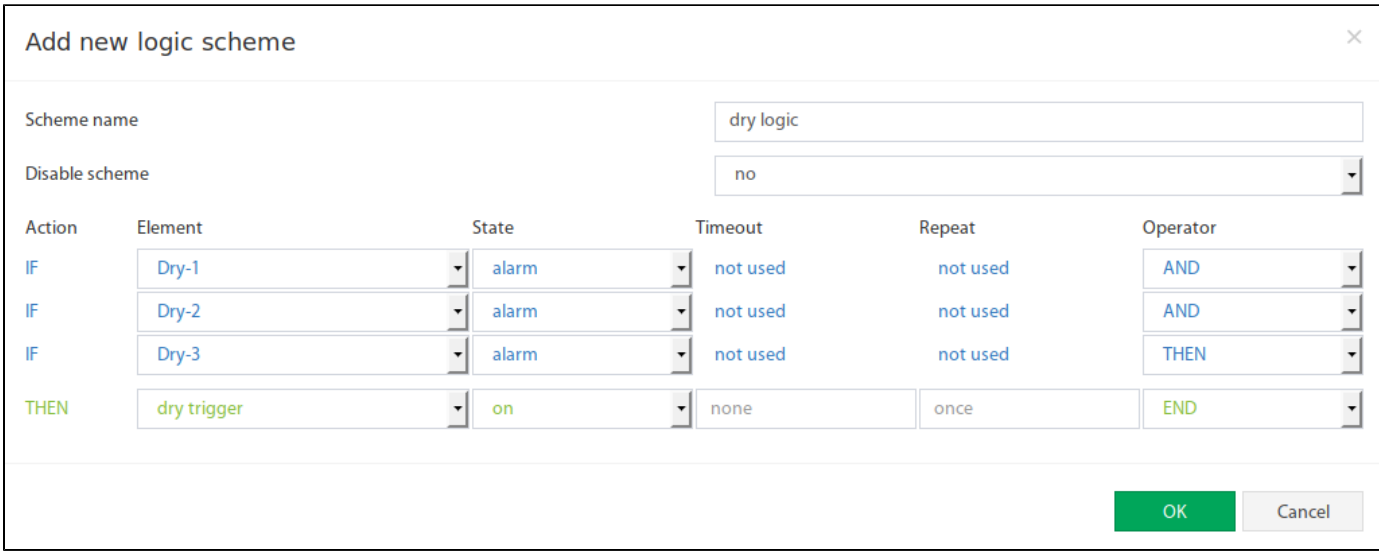


After you click OK, you are prompted to create a trigger.



The trigger can be not created. But in this case, in "**THEN**" logic circuit can be used only existing elements.

As the last step, you need to edit and create a logic circuit with the OK button.



Do not forget to save all new settings and logic schemes into flash memory by clicking "  " in the right top corner of the interface!

Vutlan s.r.o. (LLC)

Remote Infrastructure Monitoring and Control

43 ul.Svornosti, 821 06 Bratislava,

Slovak Republic

www.vutlan.com