VT11 / Relay output

Documentation page: https://vutlan.atlassian.net/wiki/spaces/DEN/pages/583237633/VT11+Relay+output

Product page: https://vutlan.com/digital-output/72-vt11-relay-contact-5a.html

VT11 / Dry Contact OUT

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Function and purpose

Switchable contact. Can be used together with equipment, for example for switching ON/OFF air conditioners. Can manage 5A power for magnetic locks, bolt locks, solenoid electromagnets, siren, light source, heater, etc.

Can be connected to units that have 12V outputs.

Technical specifications

VT590	
Dimensions	60×18×18 mm
Weight	60 g
Input	wire terminal 3.81mm 2P
Outputs	wire terminal 5.0mm 2P
Operating temperature	Temperature: Min. -50 °C - Max.105 °C
Operating humidity	Humidity : Min. 5% - Max. 95% (Non-Condensing)
Mounting	Mounting bracket, sticker, and screws are included.
Power consumption	12 mW
Max. distance m	200 m
HS Code	9025 11 800
Components	Manufactured in E.U.
Special features	Can be connected to any monitoring system or device with 12V outputs.

Max. switching voltage	250VAC / 30VDC
Max switching current	5A
Max. switching power	1250VA / 150W
Min. contact load	No gold plated: 5VDC 10mA

Package includes

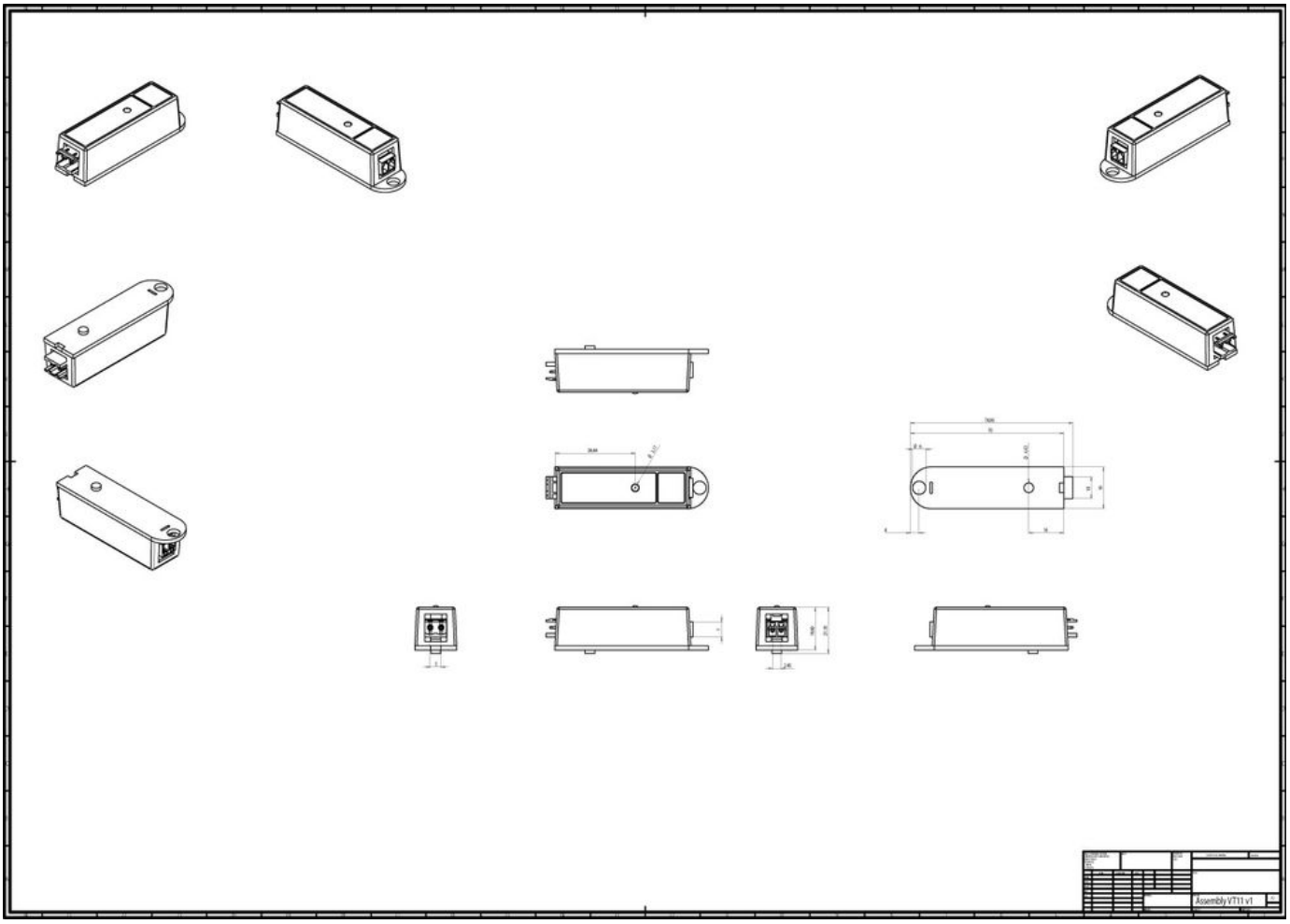
Package content can be found at : VT11 package content

LED indication

The senor has a red LED indicator which sticks from the top cover

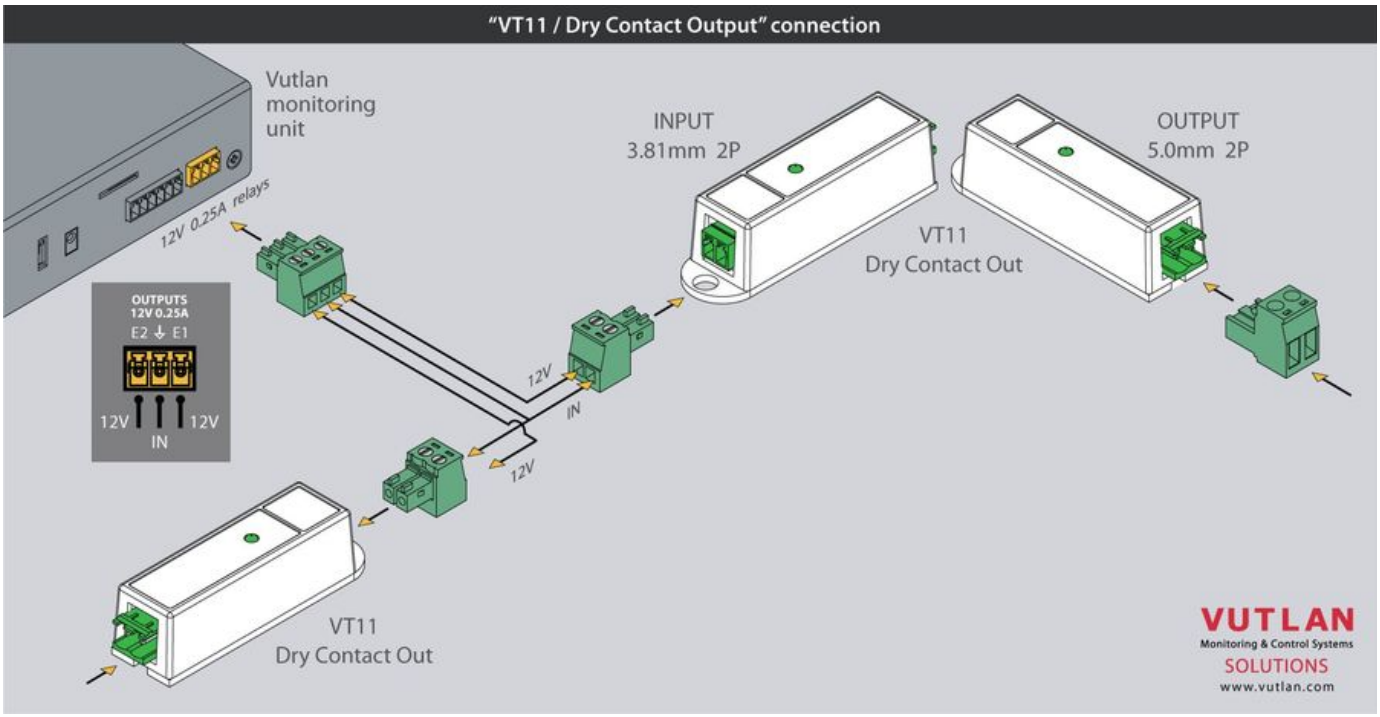
	Normal	Reverse
contact is closed	Red	-
contact is open	-	Red

Drawings



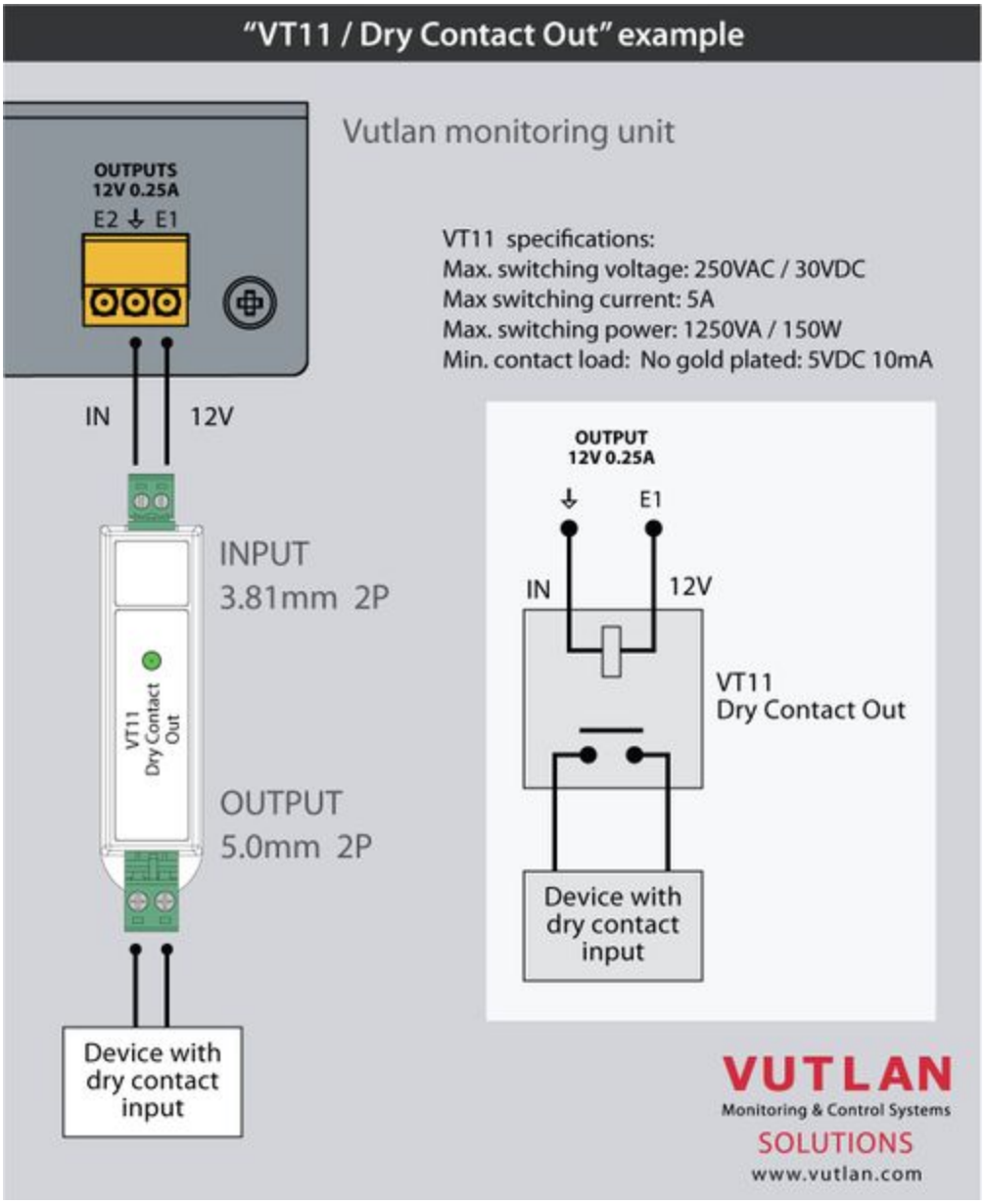
Connecting switchable contact

Switchable contact can only be connected to 12V 0.25A outputs of the Vutlan monitoring system. The diagram below explains how to connect two VT11 switchable contacts to the monitoring system.

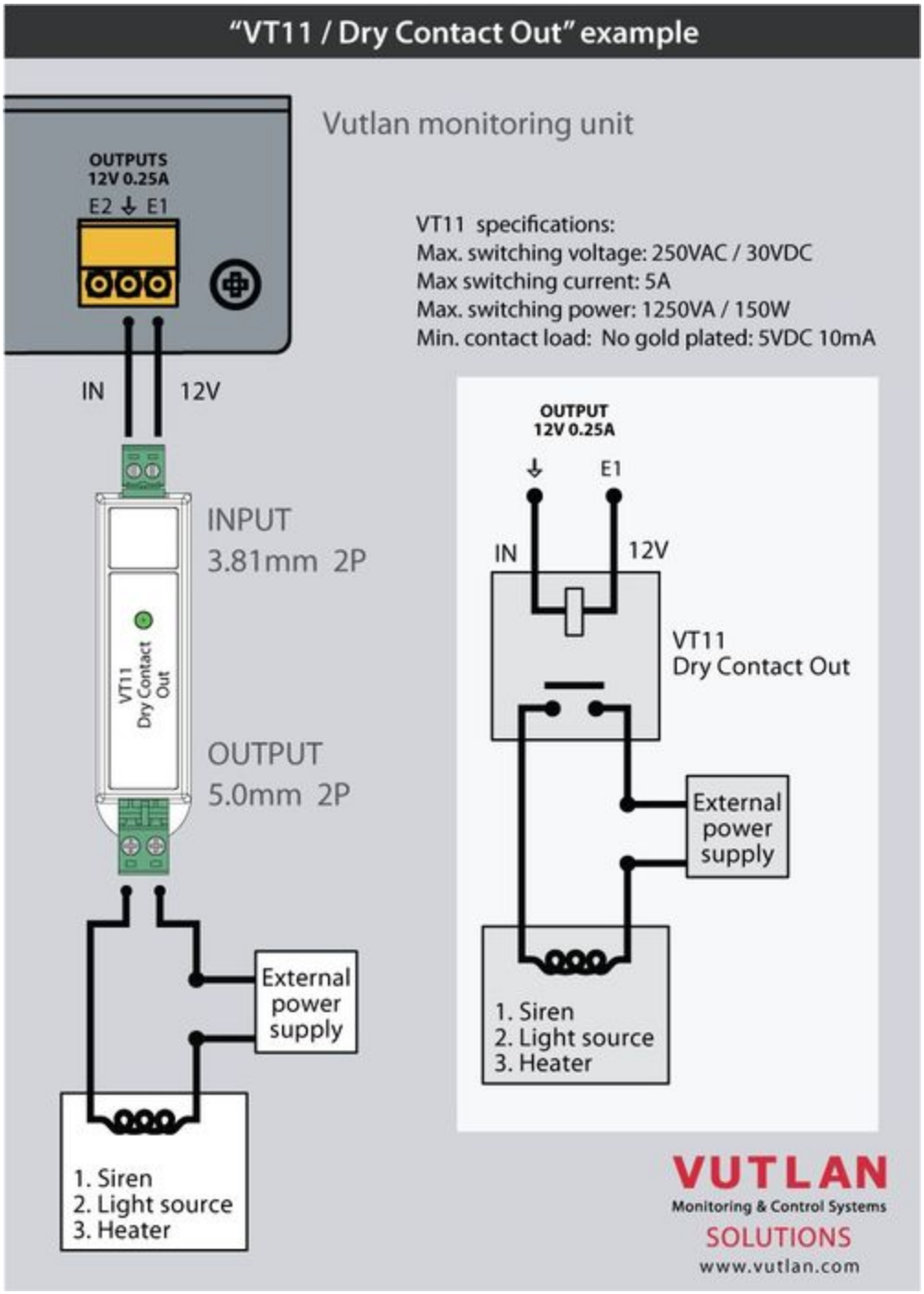


Usage examples with installation diagram

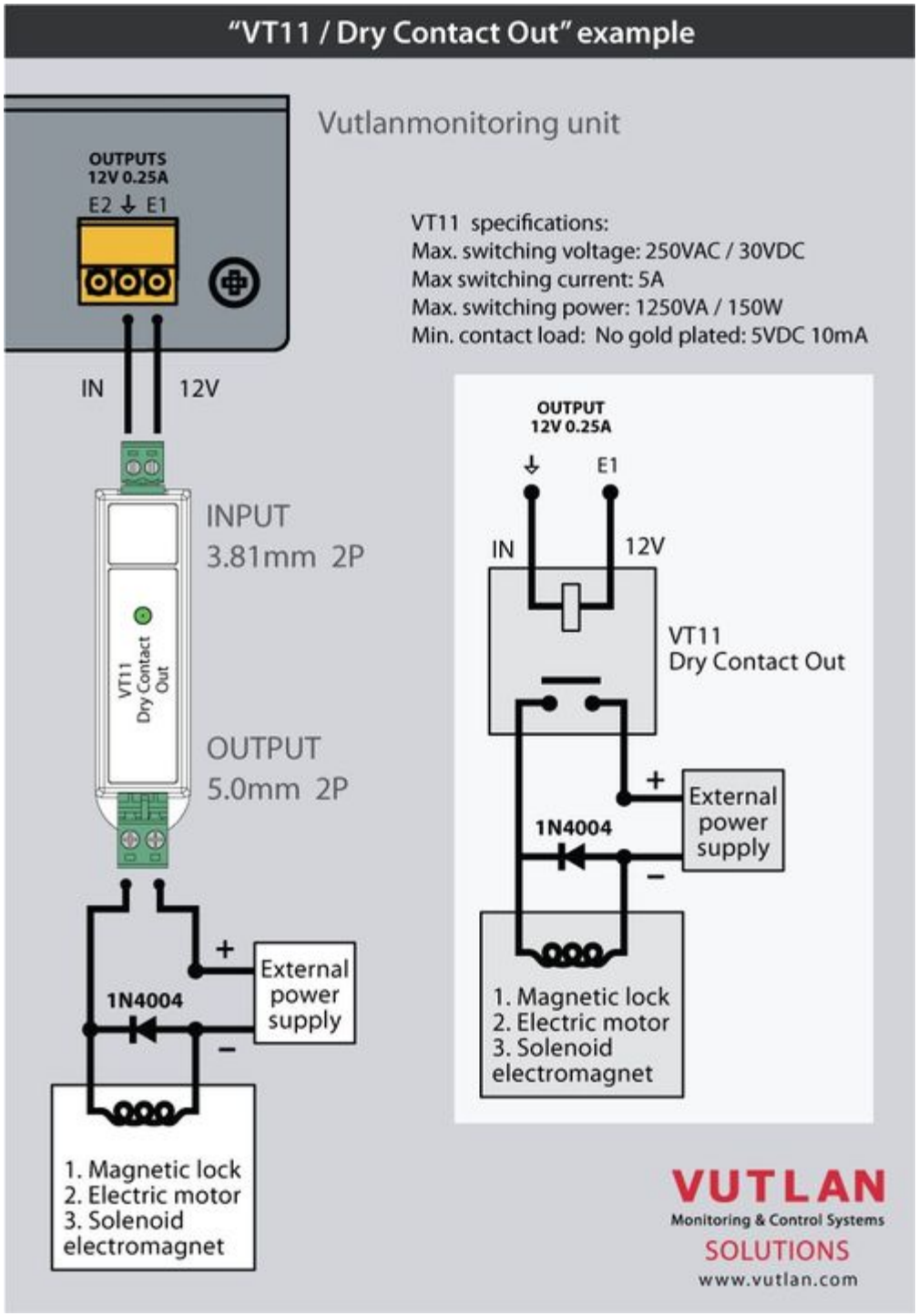
Example 1. Using "VT11 / dry contact output" to control a device with dry contact input.



Example 2. Control siren, light source, heater.



Example 3. Control magnetic lock, electric motor, solenoid electromagnet



Cable pinouts

Switchable contact uses a standard two-wire cable for connecting to the monitoring unit.

x2 wire cable included (1 meter)

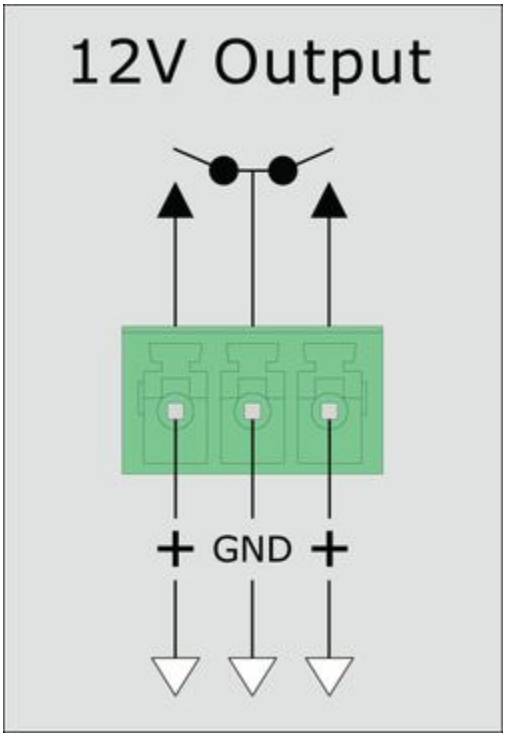
Connecting 12V devices to 12V outputs

All Vutlan monitoring systems and switched PDUs have the ability to connect up to two alarm beacons, for example, a siren and /or strobe, and other low-current devices, for example, a dry contact output module VT11, to E1, E2 - two outputs of electronic relays.

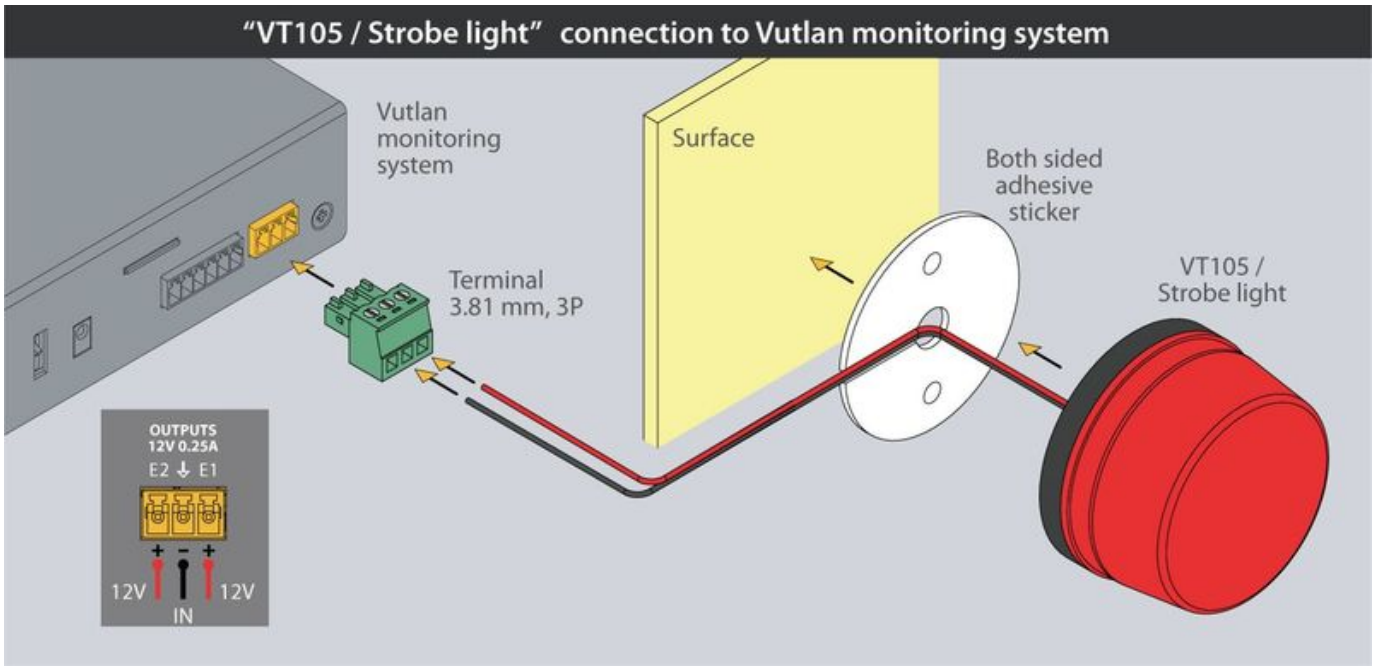
Connection.

To connect the alarm beacon to the 12V output, you need to connect the device with a cable to the terminal according to the polarity. By appropriate logic or manually in the device interface, you can turn on or off and/or give a pulse to the siren, strobe, or a signal on a dry contact output. The maximum current consumption is limited by 250 mA.

Check the voltage supply in the test mode. Go to the Main Menu -> System Structure -> Alarm in the system interface. In the window that appears, click "Pulse". The stroboscope lights up, the siren wails. To configure alarms, you need to configure the lo gic.



Do not connect the loads to the outputs while the monitoring system is on.



Further reading

- VT11 / Relay output
- VT103 / Strobe light
- VT105 / Strobe light

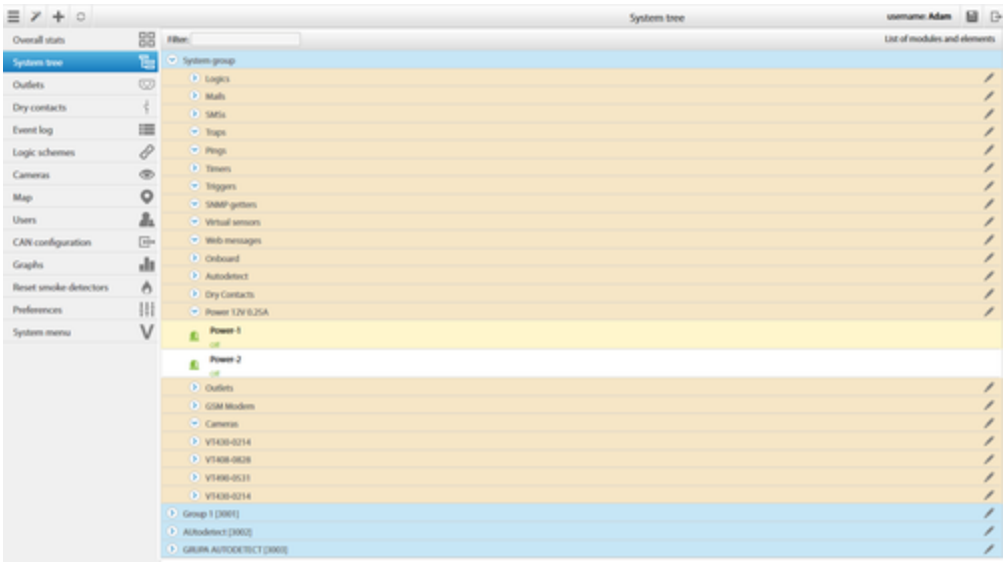
Developer comments:

Configuring 12V relays

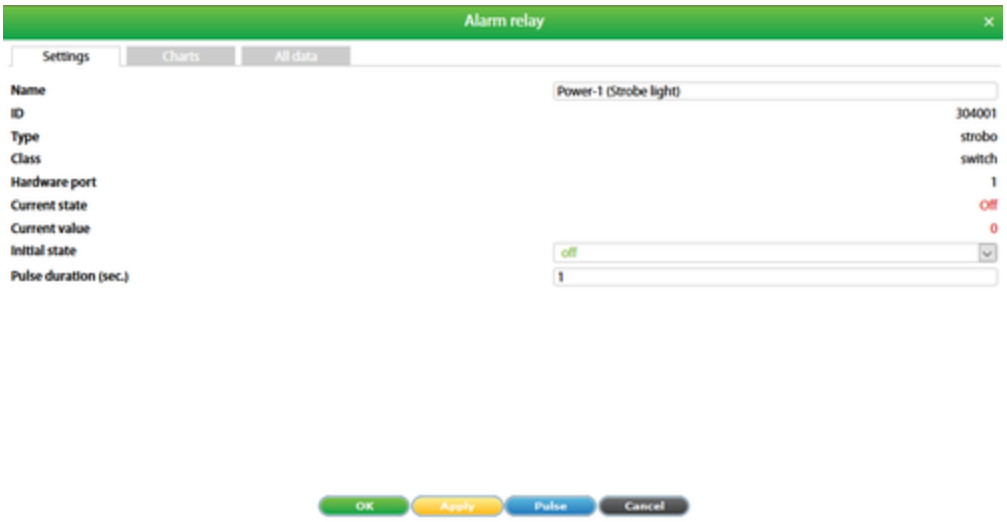
12V relay configuration (for example, alarm beacon, strobe light, lock)

a) Login to the web interface of the monitoring system

b) To configure the relay: go to System tree >> Power 12V 0.25A >> Choose relay



c) By default Power-1 and Power-2. Rename it, set the initial state, and set Pulse duration time in seconds to a specific time period.



Examples

Example configuration article can be read at: Access control

Hardware configuration of 12V devices: Connecting 12V devices to 12V outputs

12V Vutlan devices

VT103 / Alarm beacon

VT105 / Strobe light

Developer notes:

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