Manual

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UDR-Plus

Universal door alarm

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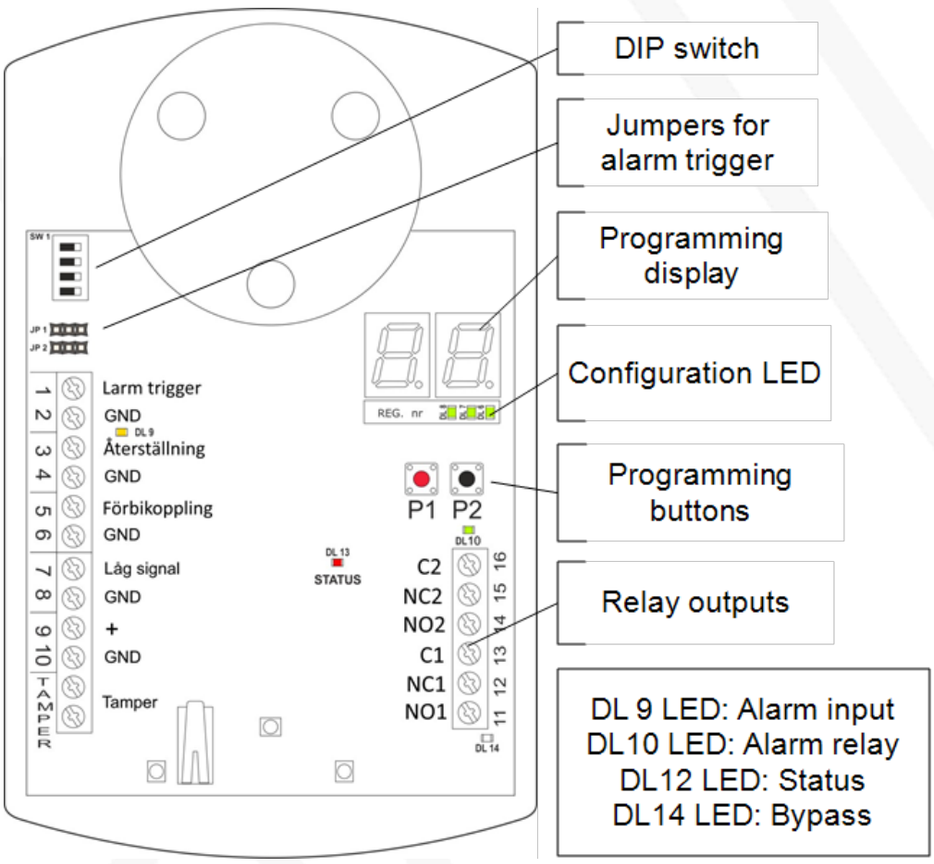
UDR-Plus

Description

UDR-plus is a compact door alarm for all types of doors. UDR-plus can signal when a valid pass is made (optional function) and activates the internal siren when an invalid pass is made. The functions are programmed using a **DIP switches** and duration times are programmed using the **P1** and **P2** buttons.

Connections and configuration



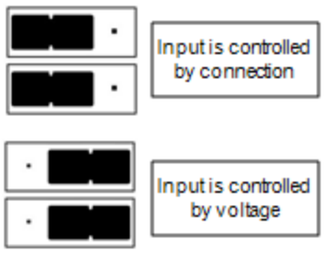
Terminals

1, 2	**Alarm trigger** Controlled by connection or voltage (10-30 V DC). Delay 0-5 sec. Activates siren, 1 sec. - 60 min. and flash. Volume, 65-90 dB. 0, deactivates sound signal.
3, 4	**Reset** Resets the alarm if the door is closed
5, 6	**Bypass** Allows the door to be open 1 sec. - 5 min. before the alarm is activated DL14 lights up when bypass and relay 1 is activated. Bypasses the alarm when the door is open and reset the alarm if the door is closed.
7, 8	**Signal** Activates signal, 45-77 dB, and flash. 0, deactivates sound signal. Follows the status of the input, no duration control.
9, 10	**Supply voltage** 10-30 V DC. 9, + 10, GND
Tamper output	**Vandal protection** Indicates both wall removal and opening of housing. Normally closed. The contact is closed the shell is shut
11 - 13	**Potential free relay output for alarm by pass** Follows the by pass input. Used for lock or by pass.
14 -16	**Potential free relay output for alarm** Activates by trigger input.

Dip switch

1. Alarm trigger
2. Signal
3. Reset
4. By pass

Jumpers for alarm trigger



DL 12 LED Status

Flashes during operation.

Rapid flash during trigger or delay.

Programming

Press and hold *P1* for approximately 2 seconds. The status LED should shut of and configuration LED 1 should turn on. The display will show the preset delay before the alarm is activated. The red dot by the display indicates that the delay is in minutes

- A short press on *P1* moves to the next setting.
- A long press on *P1* until Status LED 13 changes switches the function of *P2*, see below.
- *P2* is used to increase or decrease the value. If status LED 13 is lit, *P2* is used to decrease the value, otherwise*P2* is used to increade the value.

Settings

1. **Delat** before the alarm is activated
   Configuration LED 3 is lit up.
   0 sec. to 5 min., factory set to 0 sec.

2. **Siren duration**
   Configuration LED 2 is lit up.
   1 sec. to 60 min., factory set to 30 sec.

3. **Alarm bypass**
   Configuration LED 2 and 3 are lit.
   1 sec. to 5 min., factory set to 30 sec

4. **Siren volume**
   Configuration LED 1 is lit.
   1 to 99 (65-90 dB/m), 0 turns off the siren. Factory set to 50.

5. **Signal volume**
   Configuration LED 1 and 3 are lit.
   1 to 99 (45-77 dB/m), 0 turns of signal. Factory set to 50.

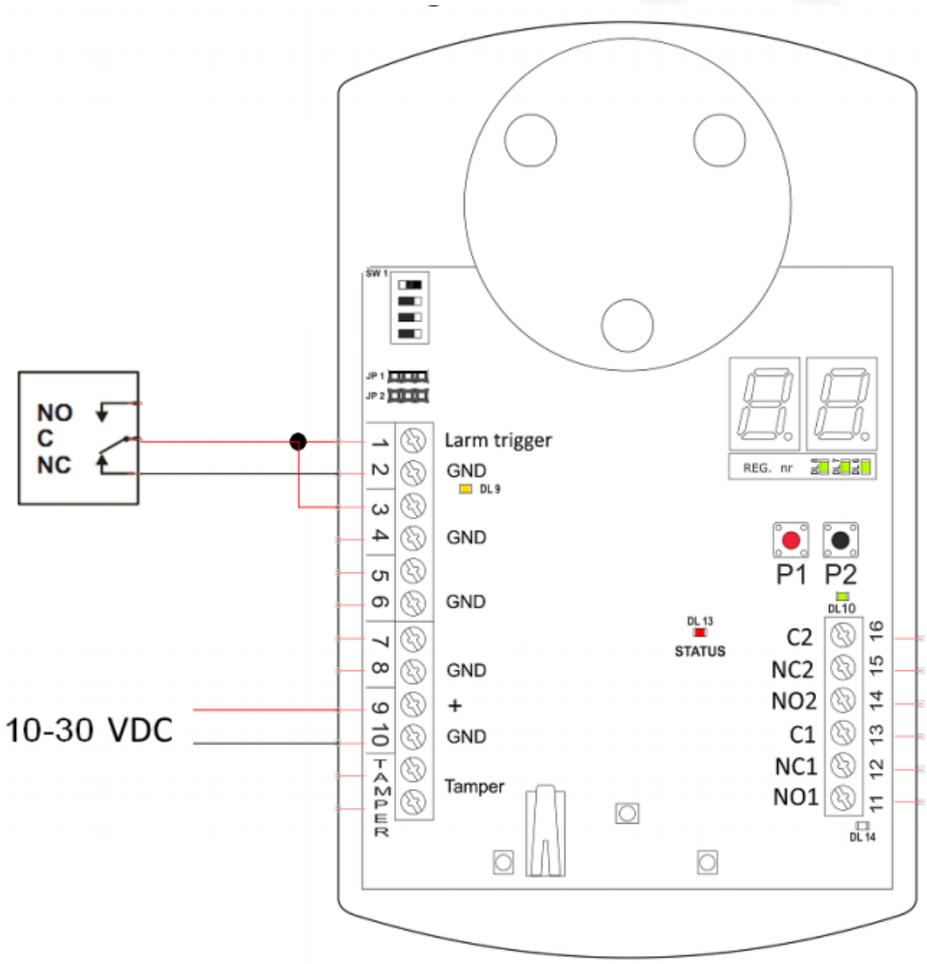
When the settings are made, press ***P1*** until two lines are shown in the display and all three configuration LEDs are flashing. Therafter, press and hold ***P1*** until six lines are shown in the display and all configuration LEDs turn off.

Installation examples

The alarm is set of by a closing magnet contact and is reset when the door is shut.

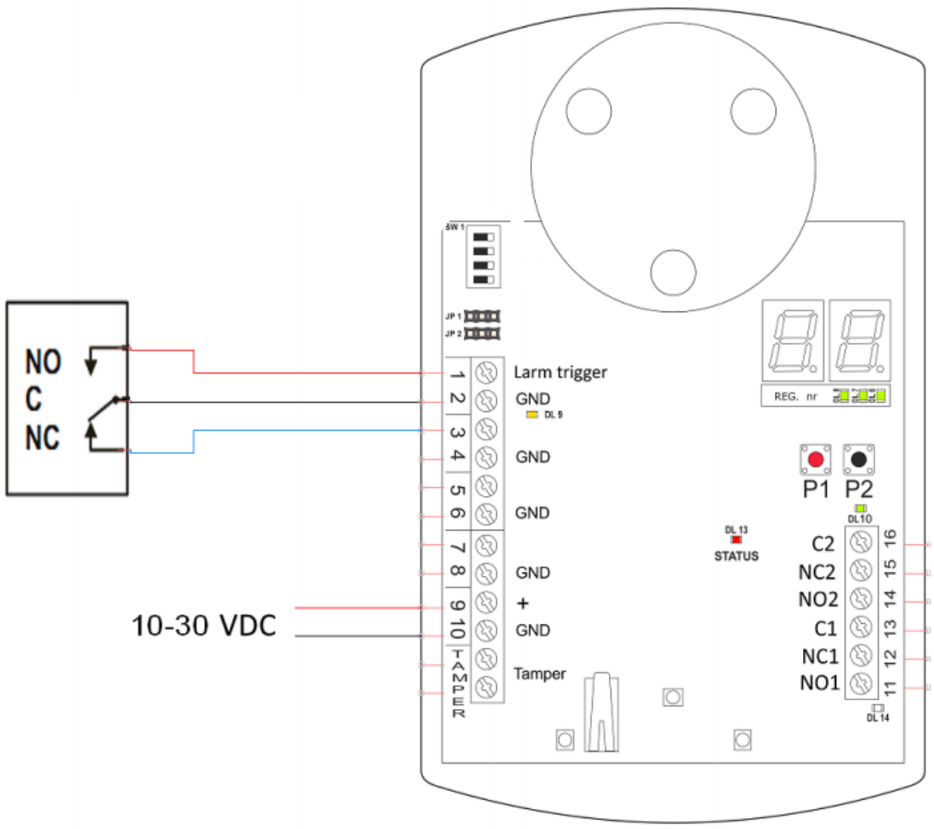
- Reset by connecting terminal 3 and 4.
  If the alarm should not reset, connect terminal 3 to C2 and NC6. The alarm has to be reset manually using the reset input.
- Duration of siren and any delay has to be set. See Programming.

NC relay when the door is closed



Terminal on UDR-Plus	Connects to
1	Terminal 3 on UDR-Plus.
1	C on magnet contact
9	+10 - 30 VDC
10	GND

NO relay when the door is closed

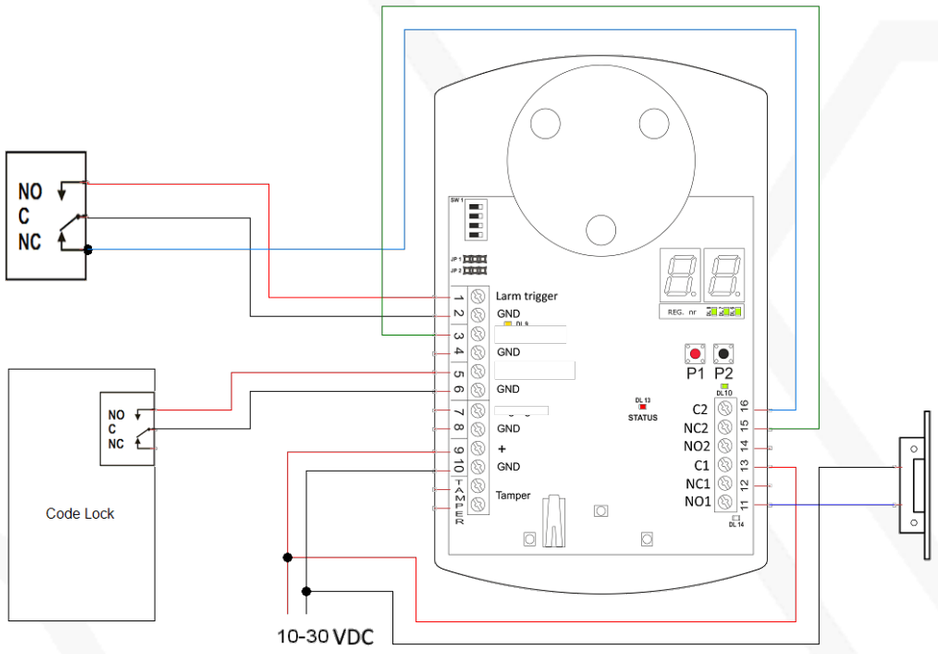


Terminal on UDR-Plus	Connects to
1	NO on magnet contact
2	C on magnet contact
3	NC on magnet contact
9	+10 - 30 VDC
10	GND

UDR-plus with code lock and electric lock

The example shows a door where the code lock allows an entry duration equal to the sum of the relay time on the code lock and alarm bypass time. If possible, use only the relay time on the code lock to prevent bypassing the alarm when the door has been closed again.

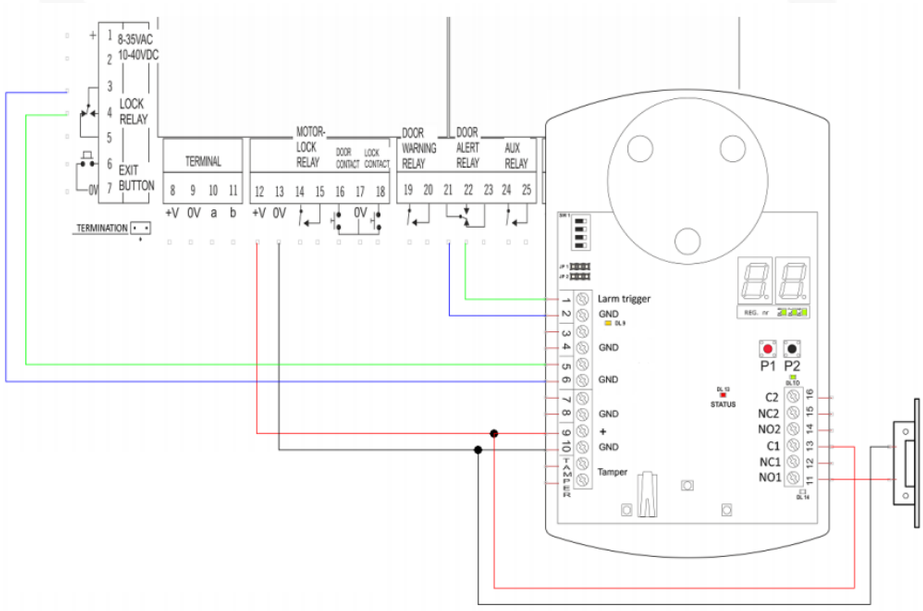
- Magnet NO when the door is shut.
- The alarm is reset using code.
- Given that the alarm has not been activated, UDR is reset when the door is shut if switching magnetic contact is used. If the alarm has been activated, it has to be reset using code.
- If the alarm is set of while the door is opened and a valid code is entered, the alarm is reset and will remain bypassed until the door is closed again. When the door is closed, UDR return to normal operation mode.
- If **A66** is used, another door monitor can be connected to deactivate the relay immediately when the door is shut. The magnet contact is connected directly to the reset input, not via C2-NC2.



Terminal on UDR-Plus	Connects to
1	NO on magnet contact
2	C on magnet contact
3	Terminal 15 on UDR-Plus
5	NO on code lock
6	C on code lock
9	+10 - 30 VDC
10	GND (Also connects to electric lock)
11	Electric lock
13	+10 - 30 VDC
16	NC on magnet contact

VAKA with UDR-plus

- Set siren duration. See Programming.
- Requires door monitoring to be mounted and connected to the door controller.
- By pass duration should be set to 1 second.
- If the door is forced open, the alarm will be set off.
- The alarm is reset when a valid pass is made,
- The lock is connected to UDR.
- If **B16 or 17** is used, connect the door monitoring directly to UDR-Plus according to the top example.



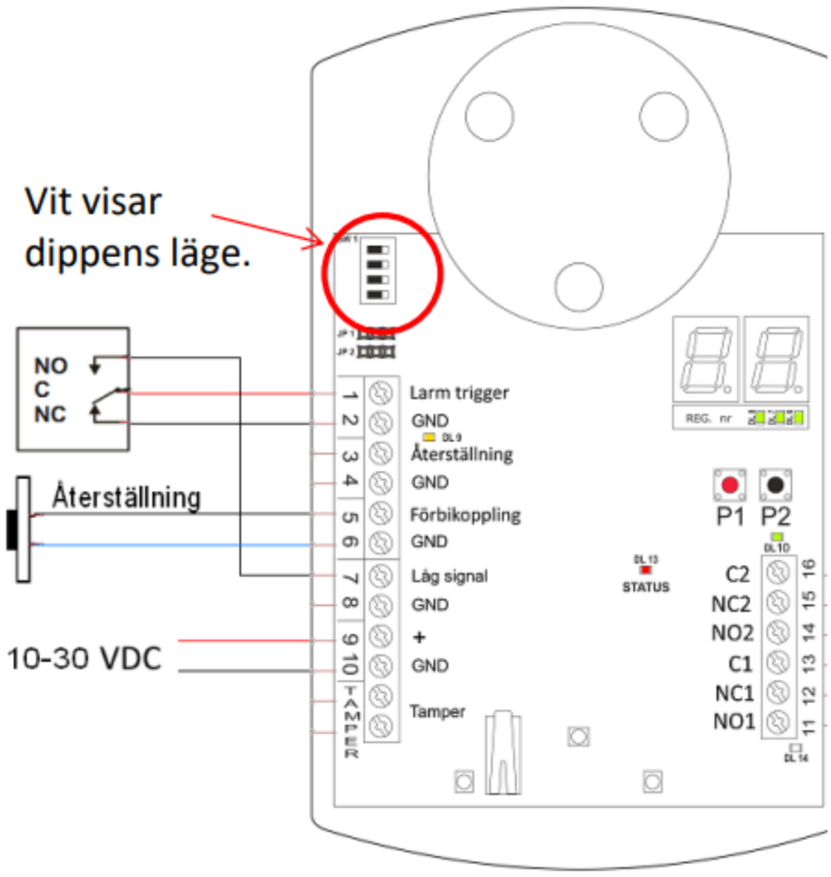
Terminal on the door controller	Connects to
3	Terminal 6 on UDR-Plus
4	Terminal 5 on UDR-Plus
12	Terminal 9 and 13 on UDR-Plus
13	Terminal 10 on UDR-Plus
13	Electric lock
21 (Only B26/27)	Terminal 2 on UDR-Plus
22 (Only B26/27)	Terminal 1 on UDR-Plus

Terminal on UDR-Plus	
11	Electric lock

UDR with extended flash.

- Requires switching door contact.
- The alarm is set off immediately with sound and flash if an invalid pass is made. After the door has been closed, the flash continues for the set siren duration.
- Reset by connecting terminal 5 and 6.

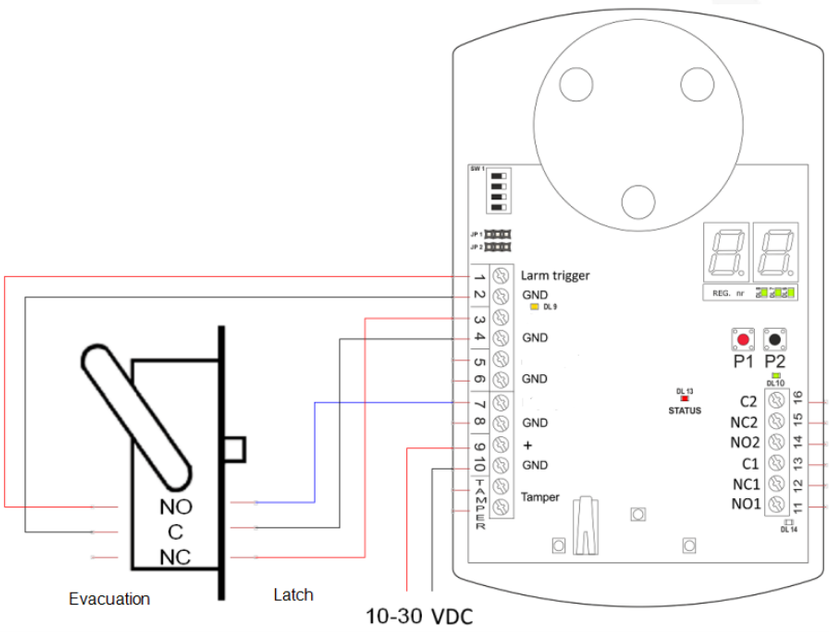
1. Alarm trigger
   0 sec., cannot be changed.
2. Siren duration
   1 sec. to 60 min.
3. By pass
   1 sec., cannot be changed.
4. Siren volume
   0, cannot be changed.
5. Signal volume
   0-99.



Terminal on UDR-Plus	Connects to
1	C on magnet contact
2	NC on magnet contact
5	Reset
6	Reset
7	NO on magnet contact
9	+10 - 30 VDC
10	GND

UDR-plus with ASSA evacuation lock

- When the evacuation handle is pulled, a connection is made that triggers the alarm.
- If the evacuation handle is reset, (the connection between terminal 1 and 2 disappears) and the lock bolt is extended (connection between terminal 3 and 4), the alarm will be reset.
- The lock bolt causes a connection between C and NO when the bolt is retracted, which generates a warning signal. The warning can be removed by disconnecting the cable to terminal 7.



Terminal on UDR-Plus	Connects to
1	NO on magnet contact
2	C on magnet contact
3	NC on magnet contact
4	C on magnet contact
7	NO on magnet contact
9	+10 - 30 VDC
10	GND

Accessories

Green, 1-9033-7

Black, 1-9033-8

Technical Data

Attributes	UDR Plus
Power Supply	10 - 30 V DC
IP classification	IP40
IK classification	IK07
Temperature	-20° to + 50°C