

AN02 – APPLICATION NOTE

How to use the standard NB40F1 model as an autonomous burglar alarm.

Required material

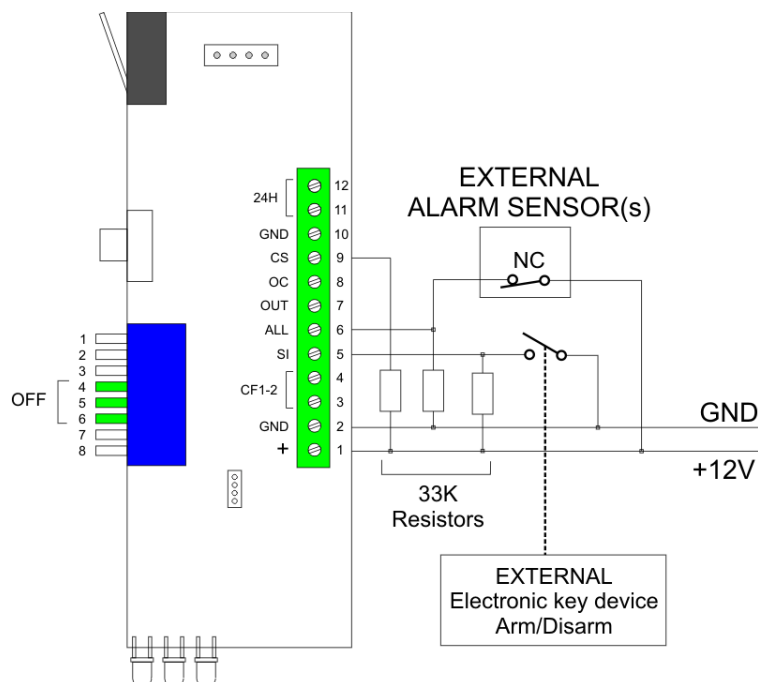
N.1 NUBI 4.0 model NB40F1

N.1 Elektronik key device

N.1 or more security sensors with normally closed contact

Operation

- Input 5 will be driven by the output relay of an electronic key device to turn the system on or off. With the diagram in Picture 1, the system will be armed when the output is closed.
- Input 6 will be connected to one or more external security sensors with normally closed contact. Using multiple sensors the contacts will be wired in series. As soon as one sensor detects alarm, the input will be driven to GND by the resistor and NUBI will receive the alarm signal.
- When the system is armed and the alarm is detected by one of the external sensors and by the built-in NUBI's IR, the smoke will be delivered.
- The external sensors and the integrated IR must detect both alarms within a 15 minute time window, as shown in the NUBI installation manual. As soon as the second sensor detects an alarm at a distance of less than 15 minutes from the alarm of the first, the smoke will be delivered immediately. When the system is disarmed (OFF), the smoke will never be delivered, unless the CS input is driven.



Picture 1

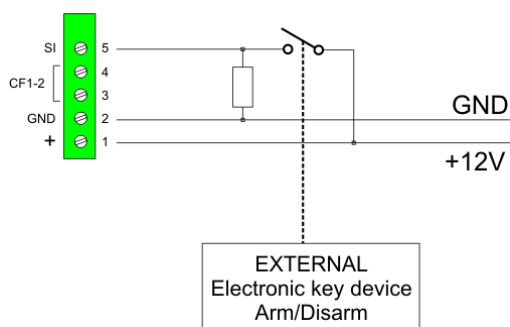
Smartek s.r.l.

Corso unione Sovietica 612/15C - 10135 - TORINO - TO – Italy - Tel. +39 0331 1402206- web: www.smarteksrl.it
cap. soc. 150.000,00€ iv – PI 11871120017

Variants

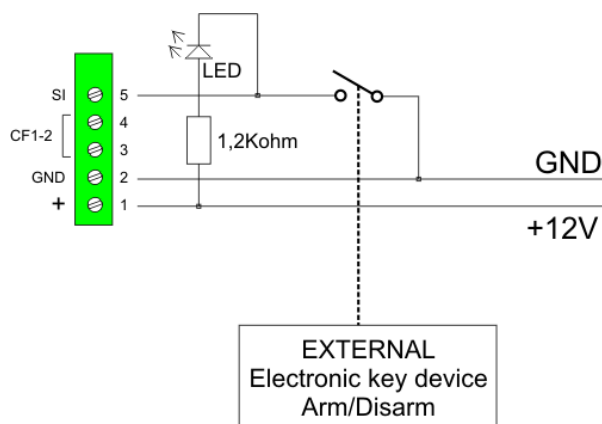
Reverse on/off drive.

Arm the system when the external electronic key relay is open.



Armed LED monitor

Driving an external led on when the system is on, in case the external electronic key does not has this capability. In this case the system must be armed when the external relay is closed.



Smartek s.r.l.

Corso unione Sovietica 612/15C - 10135 - TORINO - TO – Italy - Tel. +39 0331 1402206- web: www.smarteksrl.it
cap. soc. 150.000,00€ iv – PI 11871120017