

Figures 9 and 10 show, instead, wiring to activate the siren by means an open-collector output (the OC terminal of the control panel A). P jumper must be inserted if the OC output closes to ground on alarm, must be removed if OC output opens on alarm. On + terminal of the control panel (3.8 V voltage, (minimum 600 mA) must be present for siren power supply, and siren battery charging.

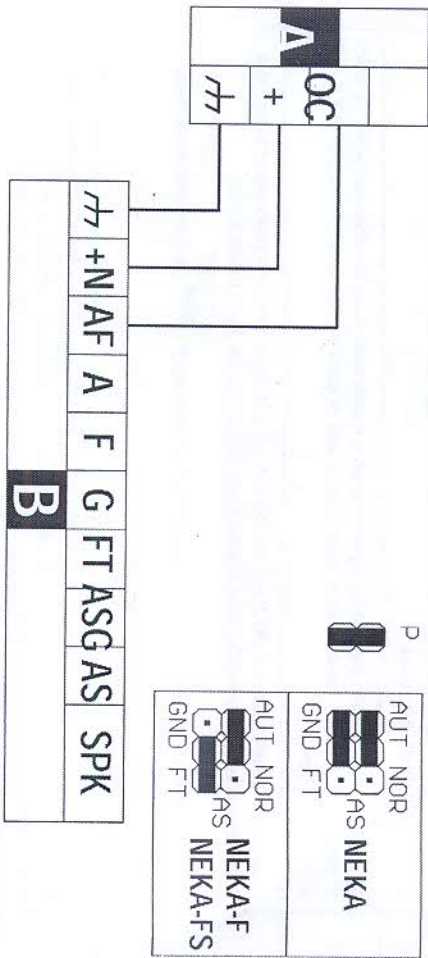


Figure 9 - Wiring to activate the siren by means an open-collector output that closes to ground on alarm: A) control panel; B) siren.

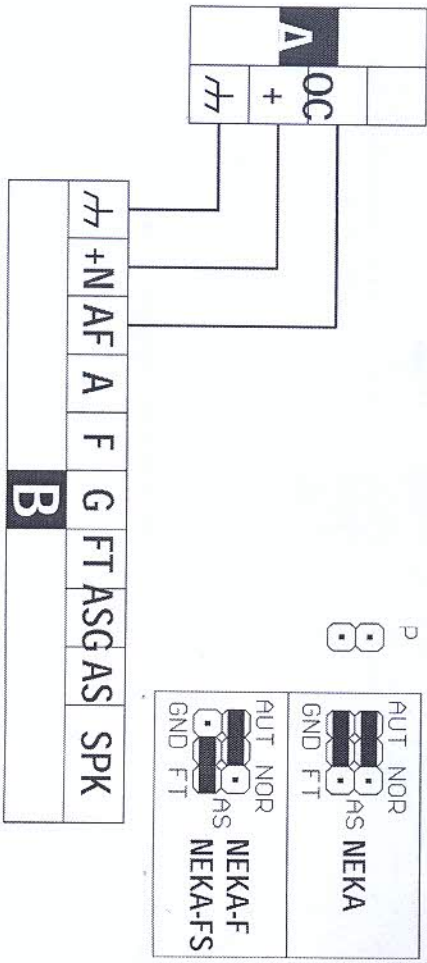
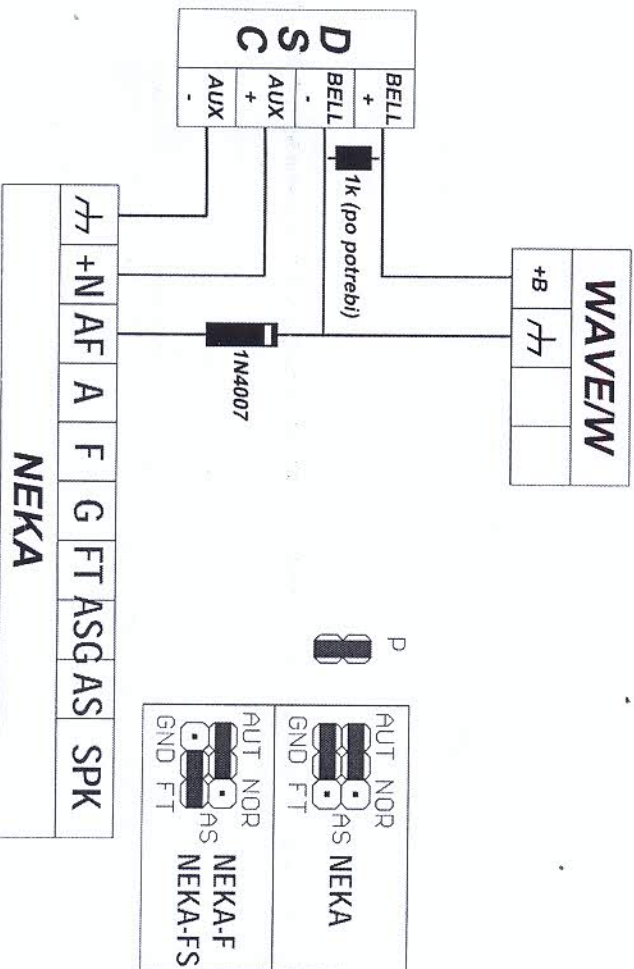


Figure 10 - Wiring to activate the siren by means an open-collector output that opens on alarm: A) control panel; B) siren.
 Acoustic signalling activation by means the A terminal and optical signalling activation by means the F terminal can be done in the same way.

Trouble shooting

Problem	Cause	Solution
The battery is connected but the flash does not function.	The battery may be low.	Replace the battery.
Continuous flashing and/or continuous sound on the loudspeaker.	1) The wall-tamper device is not secured properly. 2) The cover or the metal innerplate is not closed properly.	Eliminate the causes.
The loudspeaker sounds but the flash does not function.	1) The battery may be low. 2) The flash may be out-of-order.	1) Replace the battery if necessary. 2) Change the flash bulb or call the installer.
The flash functions but the loudspeaker is silent.	1) More than the maximum alarm-time has elapsed since the start of audible signalling. 2) The loudspeaker is out-of-order. 3) The siren has been activated more than six times in 4 minutes.	1) Eliminate the causes of alarm. 2) Call the installer. 3) Wait 4 minutes with no siren activation.
It is impossible to activate the siren.	1) The installation-time has not expired. 2) The battery is low.	1) Wait 20 seconds. 2) Replace the battery if necessary.



Setting the operating mode

If you are installing several sirens in the same area, the jumpers on the electronic board allow to select different sound for each one, thus permitting users to distinguish between them. You can also select different sounds for different alarm types (gas leak, burglary, flooding, etc.) or locations (office, warehouse, garage, etc.). This feature allows users to recognize the alarm type and its location. Jumpers S allows to select the sounds for inputs +N, AF and A. Other jumpers allow to set the maximum alarm time, the input polarity and internal tamper mode. For the various programming options provides by the jumpers refer to table 2 (first column shows the default). For the frequency profile of the audible signals refer to "Available sounds" on page 15.
















Maximum alarm time		
	10 minutes	 3 minutes
Alarm sound		
	Tamper (automatic mode): Up scale modulation L.F. +N: Up and down scale modulation (L.F). AF: Up and down scale modulation (H.F). A: Multitone H.F.	 Tamper (automatic mode): Up scale modulation L.F. +N: Up and down scale modulation (H.F). AF: Up scale modulation H.F. A: Up and down scale modulation L.F.
A.F, A and F input activation polarity		
	Inputs on standby when disconnected. Inputs activate when connected to negative.	 Inputs on standby when connected to negative. Inputs activate when disconnected. <input type="checkbox"/> If this option is selected, not used inputs must be connected to M terminal.
Trouble signalling		
		Trouble signalling ON (test mode): alarm activation is inhibited.
Tamper mode		
 	Automatic mode: automatic activation of the siren for tamper.	 
Foam-tamper mode (NEKA-F/NEKA-FS only)		
 	Foam tamper generates a tamper alarm like siren opening and siren wall removal.	 
		Foam tamper generates an alarm independent from siren opening and siren wall removal.

Table 2 - Jumper description. HF and LF indicate the sound frequency range: HF = 1100/2400 Hz, LF = 800/2000 Hz.

Wiring



T	Description
SPK	Loudspeaker connection terminals.
AS ASG	Tamper signalling terminals: when tamper signalling is set to normal mode, these terminals open when the cover or innepiate is removed, or when siren is pulled from the wall, or when the foam tamper is detected (NEKA-F and NEKA-FS only).
FT	Foam tamper signalling terminal (NEKA-F and NEKA-FS only): open-collector normally closed to ground, it opens when at least 30 seconds has been elapsed from interruption of the device infrared barrier. <input type="checkbox"/> This terminal is disabled when tamper signalling is in automatic mode ( AS) and siren is automatically activated by foam tamper too ().
G	Trouble signal terminal: open-collector normally closed to ground, opens for low battery and battery trouble (NEKA and NEKA-F only), loudspeaker trouble, flash bulb damage (strobe board not present).
F	Alarm activation terminal with programmable polarity (optical signalling only).
A	Alarm activation terminal with programmable polarity (acoustic signalling only).
AF	Acoustic and optical signalling activation terminal, with programmable polarity.
+N	Power supply (positive) and alarm terminal. 13.8 V must be applied to this terminal for the battery charge: if this voltage falls (wire cutting or alarm) the siren go into alarm status (acoustic and optical signalling).
M	Negative supply terminal and ground of the internal circuit. <input type="checkbox"/>

Table 3 - Terminal description.

Use shielded cable only, with one end connected to the control panel negative and the other left free.