

SOUND ALARMS

SVIREL-2, SVIREL-2 rev.01, SVIREL-2 rev.02, SVIREL-2 rev.03

INSTRUCTION MANUAL

GENERAL

Svirel-2, Svirel-2 rev.01, Svirel-2 rev.02, and Svirel-2 rev.03 sound alarms (hereinafter referred to as the alarms) are designed to generate sound in case of detecting intrusions into the protected premises and to issue emergency audible signals inside or outside the premises. Svirel-2 rev.03 also generates light alarm signals.

The alarms provide cooperating with such control and indicating equipment (CIE) as Signal-VK-4 (Svirel-2 rev.01), Signal-20, Signal-20P (Svirel-2, Svirel-2 rev.01), Signal-20P (Svirel-2 rev.02) and similar devices with output contacts through which the device in the alarm mode can apply dc voltage to a connected alarm.

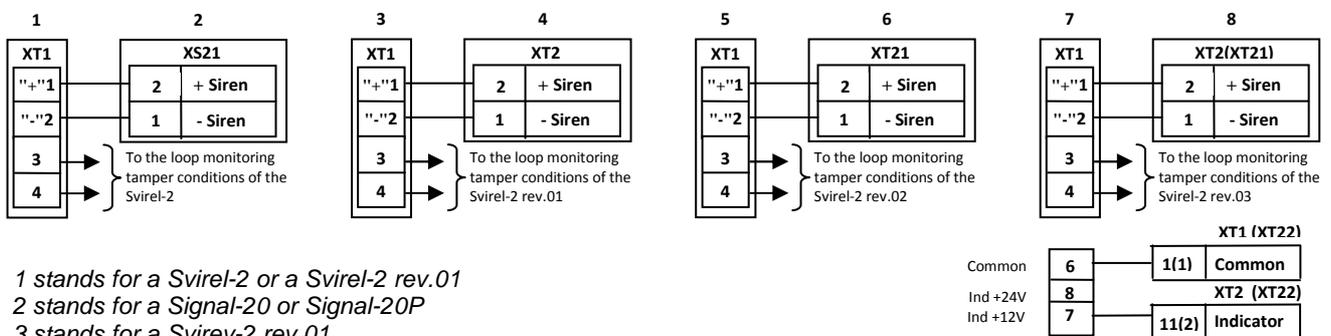
The alarms Svirel-2, Svirel-2 rev.01, and Svirel-2 rev.03 is to be powered by a dc power supply with output voltage of (12+2.4-1.8) V. The alarm Svirel-2 rev.02 is to be powered by a dc power supply with output voltage of (24+4.8-3.6) V.

SPECIFICATION

Sound Pressure Level	105 dB at 1 m for Svirel-2 100 dB at 1 m for Svirel-2 rev.01 105 dB at 1 m for Svirel-2 rev.02 100 dB at 1 m for Svirel-2 rev.03
Sound Carrier Frequency	2000-4000 Hz
Consumed Current	600 mA max for Svirel-2 300 mA max for Svirel-2 rev.01 300 mA max for Svirel-2 rev.02 350 mA max for Svirel-2 rev.03
Pre-operation Time	1 s max
Continuous Operation Time	10 minutes min
Operating Temperatures	- 30°C to + 45°C
Relative Humidity	up to 100% at + 40°C condensing
Overall Dimensions	66 mm × 92 mm × 118 mm
Weight	0.6 kg max

WIRING DIAGRAM

Figure 1 shows common schematic for wiring an alarm to a control and indicating equipment (CIE).



- 1 stands for a Svirel-2 or a Svirel-2 rev.01
- 2 stands for a Signal-20 or Signal-20P
- 3 stands for a Svirel-2 rev.01
- 4 stands for a Signal-VK-4
- 5 stands for a Svirel-2 rev.02
- 6 stands for a Signal-20P
- 7 stands for a Svirel-2 rev.03
- 8 stands for a Signal-VK-4, Signal-20, Signal-20P

Figure 1

MOUNTING

Figure 2 shows the drilling pattern for attaching the alarm.

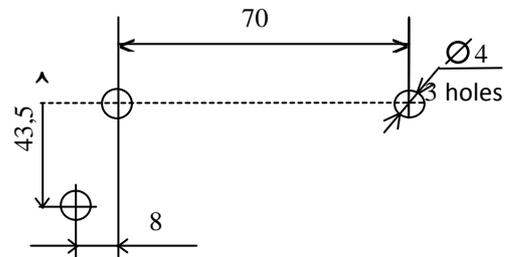


Figure 2

TESTING

1. Before testing the Svirel-2 alarm inform the relevant departments about performing a test.
2. Ensure the alarm has no external damages.
3. Turn the alarm on for a time no more than 10 minutes.
4. Make sure the sound which is going off is not distorted (no rattles, bounce, etc.). For a Svirel-2 rev.03, also make sure that light indicators operate normally.
5. From the side of CIE the alarm is connected to detach the wires of the tamper condition monitoring loop which are connected to the Svirel-2 switch within the alarm.
6. Using an ohmmeter measure the resistance of the wires of the tamper condition monitoring loop which are connected to the alarm tamper switch. If the ohmmeter shows a short circuit failure this circuit is correct.
7. Resistance value's exceeding 20 kOhm means that either the alarm is open or the wire is defective. Close the alarm. To solve problems of wires, contact the Installer.
8. After testing connect the tamper condition monitoring loop to the CIE terminals and inform the relevant department that the system is ready to operate.

MAINTENANCE

Inspect your alarm regularly.

Every month inspect the alarm as described by Steps 1 to 4 above.

And also, every year inspect the alarm as described by Steps 5 to 8 above.