ritm

Wi-Fi Siren

"SWF-01"

1. General Information

The Wi-Fi Siren "SWF-01" (hereinafter referred to as siren) is an actuation device connected to the Ritm company security devices using Wi-Fi network (office, home, etc.). With relevant configuration the siren allows automatic connection to the detected device located in the same Wi-Fi network and providing visual and audio indication of area and zone states.

2. Manufacturer

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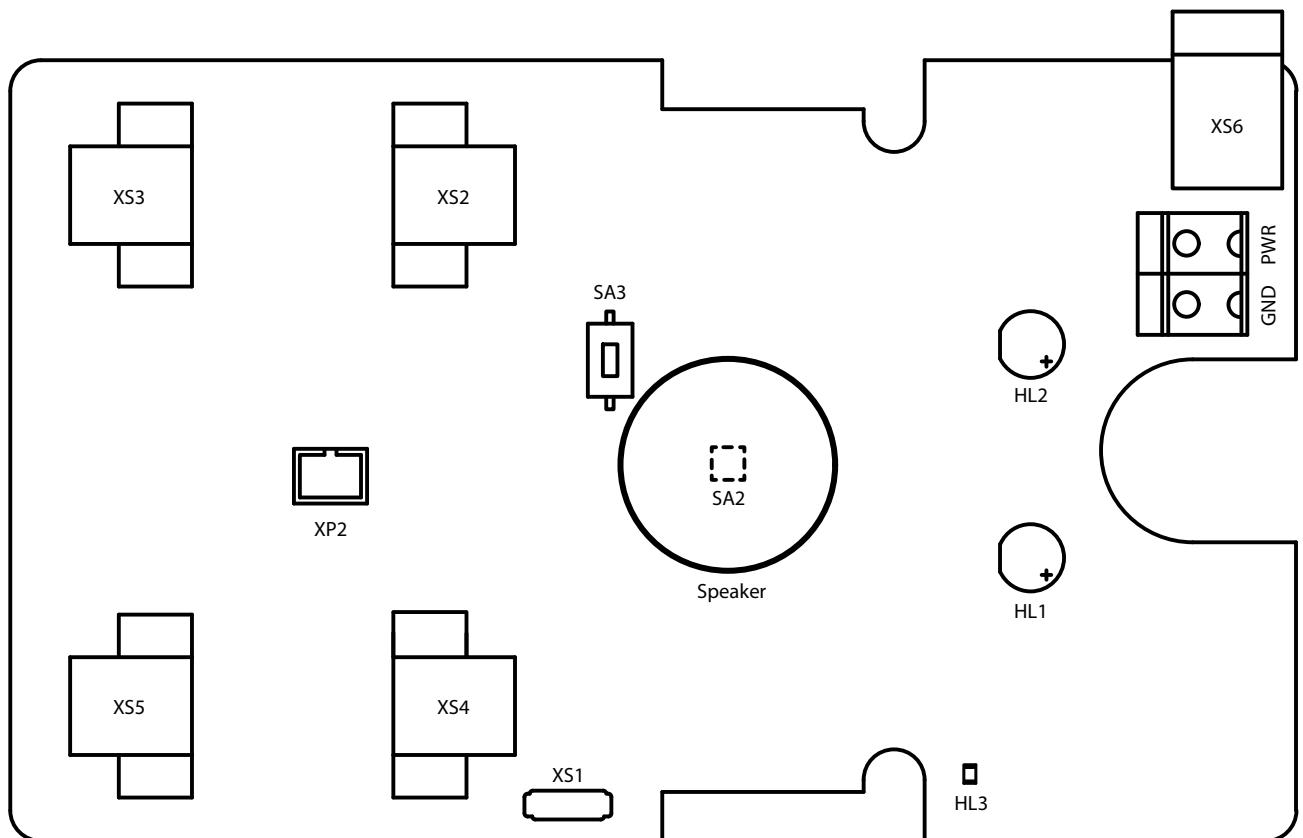www.ritm.ru/en   world@ritm.ru

3. Package Contents

"SWF-01" Wi-Fi Siren	1 pc
Power adapter, 9V	1 pc
CR123A battery	2 pcs
Fastening kit	1 kit
Data sheet	1 pc
Package	1 kit

4. Technical Specifications

Option		Value
Communication channel for security devices and PC		IEEE 802.11 (Wi-Fi)
Data encryption in communication channel		WPA2
Frequency range, GHz		2.412–2.484
Configuration using PC		+
Audio indication of alarm in area, entry/exit delay		+
Visual indication of alarm in area, entry/exit delay		+
Surface tear-off tamper		+
External power source voltage, V		12±2
Backup power supply voltage (CR123A lithium battery), V		3
Average operating time from backup power supply, h		12
Sound-pressure level, dBA		95
Average current consumption on adapter power supply, mA		45 (indicators are off); 155 (indicators are on)
Average current consumption on backup power supply, mA		85 (indicators are off); 350 (indicators are on)
Enclosure color	"SWF-01" red	White-red
	"SWF-01" blue	White-blue
Dimensions, mm		123×73×49.5
Weight, g		118
Operating temperature range[1], °C		−30… +50

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[1] Without regard to battery characteristics.

5. Designation of Elements

Element	Designation
XS1	MicroUSB connector for PC connection
XS2, XS3 and XS4, XS5	Connectors for batteries[2]
XS6	Connector for power adapter (supplied)
XP2	Connector for speaker
SA3	"Test" button
GND, PWR	Terminal for external power source, 12V: • GND – negative terminal for external power source; • PWR – positive terminal for external power source.
HL1, HL2	Visual indicators
ANT1	Antenna
SA1	Tamper button located at the rear side of the Siren enclosure

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[2] In the absence of the main power siren is powering by the battery, installed in connectors "XS2, XS3". If the battery, installed into connectors "XS2, XS3" is missing or discharged, the siren is powered by battery that is installed in connectors "XS4, XS5".

6. Visual indication[3]

Indicator	State	Value
HL1, HL2	Blinking/On	Alarm in area, Entry/exit delay countdown. Testing.
	Off	All areas are normal.
HL3	On	Pressed "Test" button (3-6 seconds).
	Blinks 9 times+ on for 15 seconds	Pressed "Test" button (10-12 seconds). Reset access point settings.
	Blinks fastly	Upgrade siren software. **Do not turn off the power.**
XP2 (speaker)	Audio signal	Alarm in area, Entry/exit delay countdown, Testing.
	Off	All areas are normal.

7. "Test" button

Pressing time	Designation
Single quick pressing	Test mode. HL1, HL2 indicators alternatively blinking and continuous audio signal of the speaker.
Pressing for 3-6 sec	Not in use. HL3 indicator is on.
Pressing for 10-12 sec	Reset access point settings. The network name is reset to **"Ritm<last 8 digits of RITM-Link ID>"**. HL3 indicator blinks 9 times+ on for 15 seconds.

8. Getting Ready for Operation

⚠ Turn off the power and remove the battery during all preparation works!

1. Remove the siren top cover.
2. Install the main and the backup battery into the siren and connect the power supply to the GND and PWR terminals and the power source to the XS6 connector.
3. Turn on the security device used for the siren.
4. Turn on the power source.
5. The open access point is created after supplying the power. It has the network name **"Ritm<last 8 digits of RITM-Link ID>**» and the following options: IP-address − 192.168.4.1 and connection port − 53462.
6. Connect to the created wireless network.

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[3] Here shown as an example of the base indication. To configure the operation indicators mode use the setup software in section "Indication".

7. Using the universal configuration software Ritm.conf and Ritm Configure go to the siren configuration software.

> ⓘ **To ensure correct operation the Siren and the used security device must be in the same subnet.**

8. In the "Wi-Fi" options of the "Network connection" tab connect to the available network allowing the siren to receive signals from the security device.
9. Connect the security device to the same network as the siren (see the connection order in the manuals of the security device).
10. Configure indication options in the "Indication" section.
11. Select the required device in the "Control device" section of the siren configuration software.
12. When the configuration is completed the siren automatically receives signals from the specified security device.

9. Control from your mobile device

Siren can be used without the control device. To do this, set the Ritm Control app on any mobile device with Android OS and control the siren indication remotely.[4]

10. Maintenance and Safety Measures

Personnel with the appropriate qualifications should carry out maintenance and settings of the siren.

11. Transportation and Storage

Transportation of the siren should be in the package and closed vehicles.

Storage and transport conditions must comply with storage conditions EU Directives: 2014/35/EU and 2014/30/EU. Storage premises should be free of current-conducting dust, acid and alkaline fumes, corrosive gases and gases harmful to insulation.

12. Manufacturer's Warranties

The manufacturer guarantees that the siren complies to requirements of the technical specifications, provided the client ensures compliances to conditions of transportation, storage, installation and operation.

Although **the warranty period is** 12 months from the commissioning date, it may not exceed 18 months from the production date.

The warranty storage period is 6 months from the production date.

The manufacturer reserves the right for modification of the device in any way that does not degrade its functional characteristics without prior notice.

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[4] The app is available in Google Play. For sharing, the siren and the mobile device must be on the same subnet.

13. Information on Claims

In case of a siren failure or defect during the warranty period, please fill in a malfunction report specifying the dates of issue and commissioning of the siren and nature of the defect and submit it to the manufacturer.

Notes