

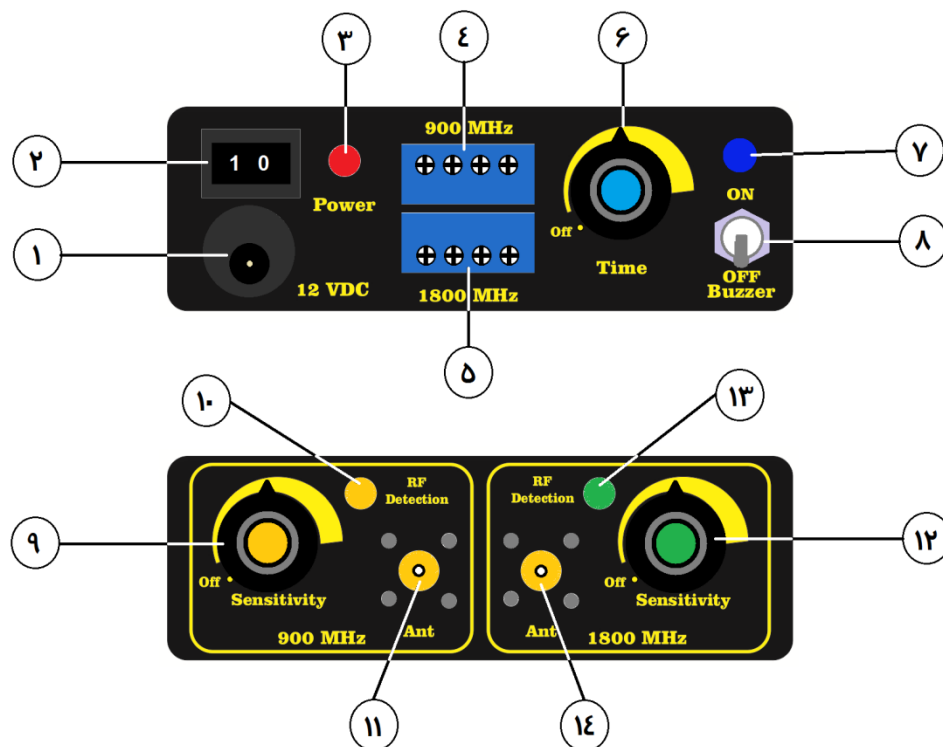
Mobile Detector User Guide



Device description

As a mobile detector, this device is sensitive to GSM uplink frequencies, 900 and 1800 MHz bands, and activates the corresponding alarm when received via an antenna. In other words, this device detects the activity of the mobile phone in its area. In this way, in case of sending or receiving calls or SMS or intermittent communications that the phone has with the mobile center, the device detects it and activates the alarm output. The output is embedded in the device audibly and visually and can also be triggered by a relay, a system, or external alarm (such as jammer, secondary visual or audible alarm, etc.).

User panel components



- 1) 12V adapter input
- 2) On / Off key
- 3) LED indicator on / off
- 4) Phoenix terminal 900 MHz band detection relay
- 5) Phoenix terminal 1800 MHz band detection relay
- 6) Volume-time setting key
- 7) The LED indicates that the internal audible alarm is on
- 8) Enable and disable internal audible alarm key
- 9) Volume-key adjustment of 900 MHz band sensitivity
- 10) LED indicates detection in the 900 MHz band
- 11) 900 MHz band antenna input
- 12) Volume-key adjustment of 1800 MHz band sensitivity
- 13) LED indicates detection in the 1800 MHz band
- 14) 1800 MHz band antenna input

antenna

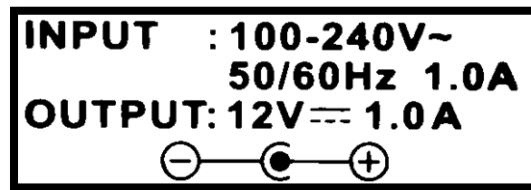


Antenna can be used in the 1800 MHz band



Antenna can be used in the 900 MHz band

Power supply



Adjust input sensitivity

The two volume keys marked "Sensitivity" on the panel (Nos. 9 and 12 in Figure 1) are for activating, deactivating, and adjusting the frequency detection sensitivity in the 900 and 1800 MHz bands. If any of the volume keys are off, the corresponding frequency band is inactive and, no detection is performed on it. By adjusting the input sensitivity, the operating radius of the device can be controlled. In this way, the higher the sensitivity, the mobile phone activity can be detected at a greater distance from the device.

In this device, detection in two frequency bands is not done simultaneously. Therefore, if the output is activated for one detection, another detection is not performed during its activation.

Set alarm duration

The duration of the output alert can be set by a volume key specified by the phrase "Timer" on the panel (No. 6 in Figure 1). Also, if this volume key is off, the detection function is disabled and, no alarm is activated. The alarm duration is adjustable from about 4 to about 100 seconds. When detection takes place, the visual alerts (LEDs 10 and 13 in Figure 1) and the audible and output relays remain active during the set time.

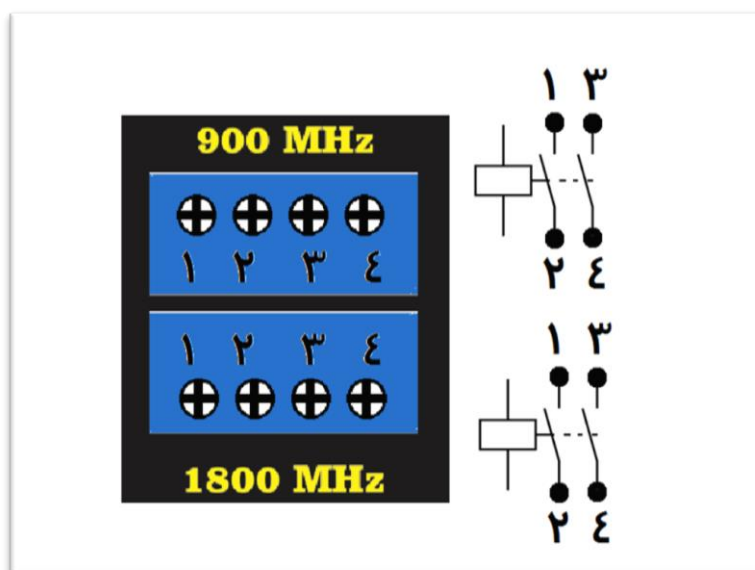
After each detection, no detection takes place for about 4 seconds.

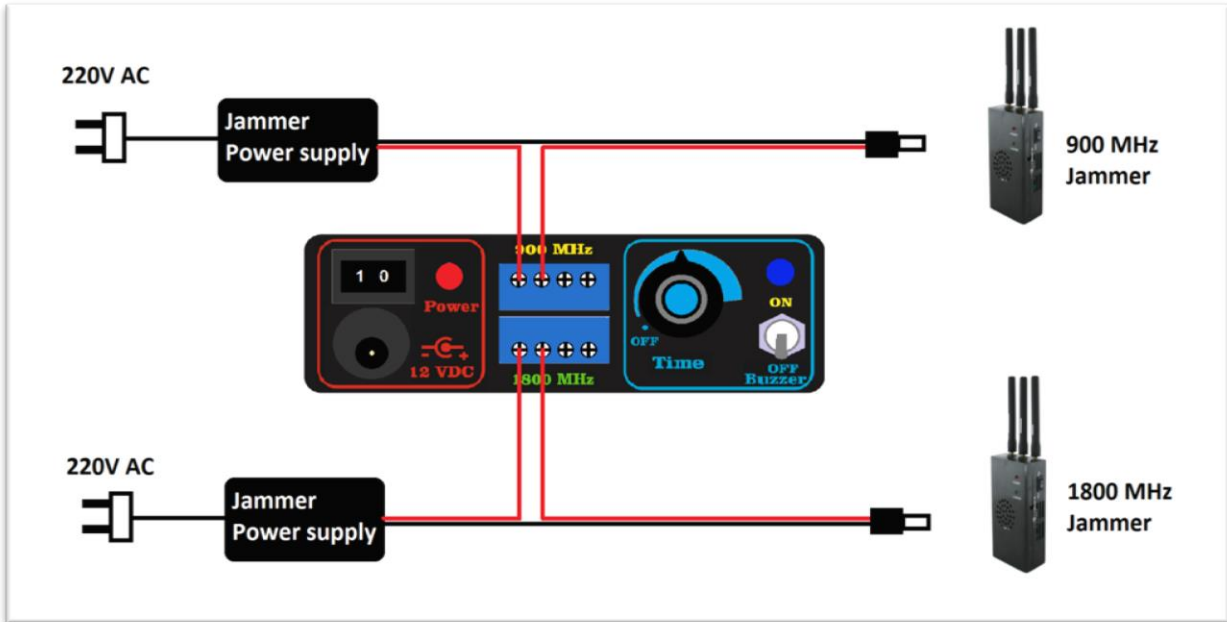
Enable and disable internal audible alarms

For this purpose, a key called Buzzer (number 8 in Figure 1) is installed on the device. When this key is in the on position, the corresponding LED lights up and, the internal audible alarm is activated when the mobile signal is detected. When the timer expires, the audible alarm also stops.

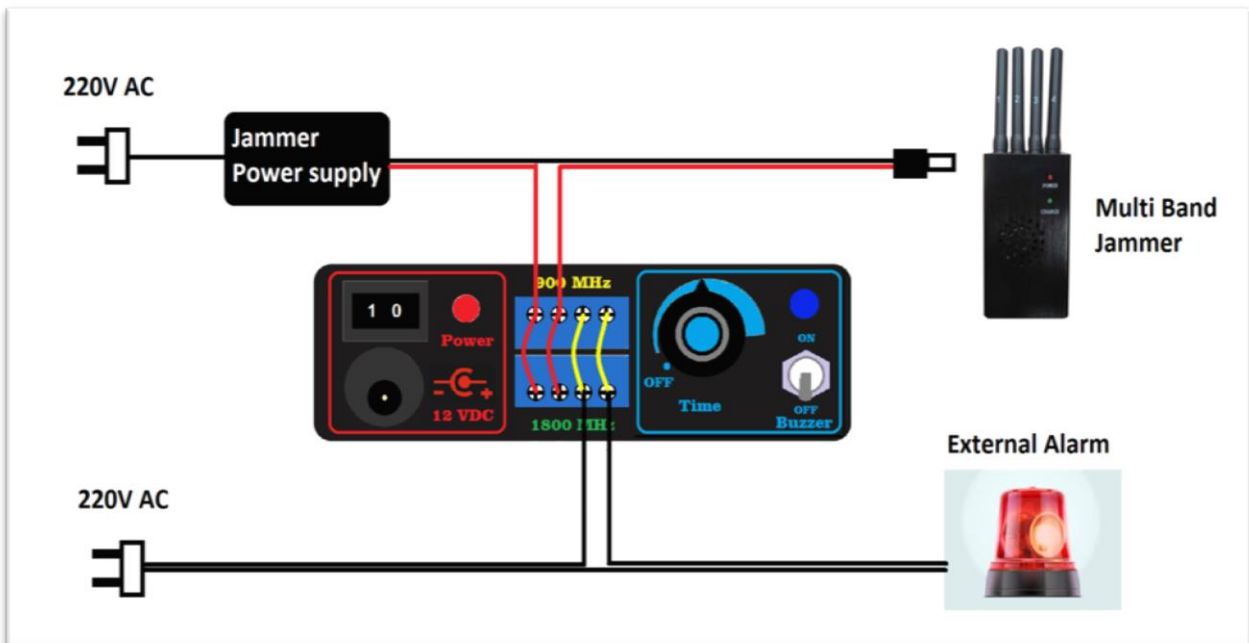
Set up an external jammer or alert

When detection occurs, in addition to visual and audible warnings, two internal relays are activated per frequency band. As shown in the figure below, each of the relays establishes two connections simultaneously. The operation of the relays in each frequency band is independent and can trigger separate alarms.





Using two jammer in two frequency bands independently



Parallel output and use 220V warning system