



1. What are key security features of the VALARM product?

- Product not visible to criminals (when inside a gate motor or under Solar Panels for example)
- After-market product, so it can be used with existing gate motors and other installations such as security gates, gun safes, solar panels etc.

2. Does the VALARM product have any monthly subscriptions?

- No. You purchase the product, you own it.

3. Do I need to be signed with an armed response company if I have a VALARM product?

- No. The VALARM connects to your existing alarm system or a siren can be connected to it.

4. How long does it take to install the VALARM product?

- Installation typically takes less than 10 minutes. It can almost be said that anyone that can use a screwdriver can install a VALARM system.

5. Why don't I just use a PIR sensor to protect my gate?

- Yes, this can work. However, normal usage of the gate (i.e. authorized user with a remote) will still trigger the alarm. Or if it's in a complex, residents walking past the PIR will trigger an alarm.
- VALARM is always armed, day and night. Armed for criminals, disarmed for authorised users.

6. Does the VALARM trigger due to vibration when I open my gate?

- No. The receiver of the remote that is used to open the gate is connected to VALARM. When the gate is opened with the remote, the VALARM will not trigger an alarm condition for two minutes. Every time the remote is pressed, the two-minute timer will restart.

7. Do I need a separate remote button if I have VALARM?

- No, as long as you have a receiver to trigger the gate motor via remote control and not an integrated receiver (*built into gate motor PC board / controller*), the same receiver trigger output can be connected to VALARM.
- When the remote is pressed, the gate opens and VALARM is disabled for two minutes.

8. Which receiver should be used?

- Most receivers will work on the RX_IN output as long as it pulls low (connect to GND) on the trigger when the remote is pressed such as an AJAX / Hikvision AX Pro Relay, Sherlotronics RX-1-150 or similar receiver.

9. Which transmitter should be used when linking to an alarm system?

- The VALARM OUTPUT pulls low (connect to GND) to trigger an RF Transmitter during an alarm condition.
- AJAX / Hikvision AX Pro Transmitter, Sherlotronics S1 transmitter or similar can be used.

10. Can I switch VALARM on and off manually?

- Yes, you can pair a dedicated AJAX / Hikvision AX Pro Relay / receiver set to LATCH state to power the VALARM unit.

11. Do I have to adjust the sensitivity on the VALARM unit?

- VALARM devices are pre-set to a sensitivity value that works on most gates, doors etc. however the sensitivity it can be set by adjusting the trimmer to be more or less sensitive. We suggest first testing it with the default value.

12. Can the VALARM be set to be super sensitive?

- Yes it can however the surrounding disturbances caused by e.g. wind should be considered to prevent false alarms. The default setting allows the unit to be sensitive enough for most applications while minimising false alarms.

13. What is the relay on the VALARM unit for?

- The VALARM manual indicates various configuration options which includes connecting a siren, a RF transmitter for the alarm system, a zone on the alarm system as well as various combinations.

14. How long will the relay be active in the event of a vibration trigger?

- The relay will be active for 30 seconds. This means that for instance, if a siren is connected to the relay, the siren will sound for 30 seconds.

15. What if my receiver is built-in on my gate motor?

- In some cases, the built-in / integrated receiver can be connected to the RX_IN input of the VALARM. However, we suggest using a separate / non-integrated receiver. A universal receiver such as the one manufactured by Sentry works well which allows for most existing remotes (other brands) to be used.

16. What if my armed response receiver is already connected the gate motor for them to open my gate?

- The VALARM can still be connected. As long as the RX_IN is pulled low (connected to GND\Negative) when the remote is pressed, it will work perfectly fine.

17. Do I always have to connect the RX_IN input?

- **It depends on the application:**
 - If VALARM is connected to a **gate motor**, the RX_IN input is connected in order to prevent an alarm condition when the gate is opened via remote.
 - If the VALARM is connected to an **alarm system**, then the alarm system controls the alerts according to the status of the system in the same way it handles alerts from PIR's and other connected devices. When the alarm system is disarmed, it ignores all alarm signals received from VALARM and other connected devices and will only trigger an alarm when the system is armed.

18. Why does VALARM not connect have an app or mobile functionality?

- VALARM was developed to be as affordable and simple to use as possible. The aim was to immediately scare off intruders (with a siren connected) and to immediately notify the armed response companies (with a linked alarm system) without user intervention. Adding these features would have resulted in the product being costly and was also designed to have no monthly subscriptions which is typically required when using SMS, Sigfox or similar network services.
- Users of Smart Alarms such as AJAX and Hikvision AX Pro systems can connect the relevant device hardware for remote functionality / control via mobile apps.

19. Can this product be connected to a motorbike?

- Yes it can. There is a specific version of the VALARM for use on motorbikes with the necessary connection points to the ignition, battery etc.

20. How do I connect VALARM to my garage door?

- The VALARM unit can be mounted on a static frame or structure of the door (non-moveable area). The RX_IN on the VALARM unit can be connected to the garage motor receiver (for always-armed systems where VALARM is disabled for 2 minutes when door opened by remote), or the NC relay contact simply connected to an ALARM system.

21. What if I want to have a solution connected to my phone app or with SMS notifications?

- Various products can be connected to the VALARM OUTPUT and RELAY NO/NC connections. This includes the GSM Commander, Sentry GSM communicator, smart alarm transmitters etc.

22. Can the firmware on this device be customized for a specific type of application?

- For specific business cases and at the discretion of Disrupter Technologies, yes it can. Contact us to discuss.

23. Which siren can I use?

- Any 12V sirens can be used.

24. What if I don't have an alarm system?

- The VALARM unit can run in standalone mode and serves as an alarm by itself when, e.g. a siren is connected to it. The standby current (when no vibration is triggered) is less than 1mA meaning that the VALARM unit can run for more than 6 (six) months on a 12V 7Ah battery. This allows for VALARM to be used in remote areas such as warehouses with a battery and siren as a basic alarm deterrent. Adding a long-range transmitter can allow connection to an alarm system or control centre long distances away.

