

- 1) What are key security features of the VALARM product?
Product not visible to criminals (when inside a gatemotor for example)
After-market product, so it can be used with existing gatemotor installations, and other installations such as security gates, gun safes, solar panels etc

- 2) Does the VALARM product have any monthly subscription costs?
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. You can connect a siren to the unit, or your existing alarm system. However, being linked with your alarm system to a reputable armed response company is a very good security measure, a measure which we highly recommend

- 4) How long does it take to install the VALARM product
It can almost be said that anyone that can use a screwdriver, can install a VALARM system.
Installation typically takes less than 10 minutes.

- 5) Why don't I just use a PIR sensor to protect my gate?
Yes, this can work. However, normal usage of the gate (ie 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 authorized 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. Everytime the remote is pressed again, 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 inside the GATEMOTOR to open the gate, (not integrated receiver on the gatemotor PCB), the same receiver trigger 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. We prefer using the Sherlotronics RX-1-150 or similar receiver

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

The VALARM OUTPUT will pull low (connect to GND) during an alarm condition, to trigger an RF Transmitter for example. We prefer using the Sherlotronics S1 transmitter or similar

10) Can I somehow switch VALARM on and off manually

Yes, you can pair another receiver with another button on your remote, set the received relay to LATCH state, and use it to power the VALARM unit

11) Do I have to adjust the sensitivity on the VALARM unit

We release all VALARM units pre-set to a sensitivity value that works on most gates, doors etc that was tested. It can be set to be more or less sensitive by adjusting the trimmer. We suggest first testing it with the default value

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

Yes it can. However, surrounding disturbances caused by wind, for example, should be considered to prevent false alarms. Our default setting allows the unit to be sensitive enough for most applications, yet minimizing false alarms

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

In our manual, we indicate various configuration options. This includes connecting a siren, a RF transmitter for the alarm system, a zone on the alarm system, and various combinations thereof

14) How long will the relay be on in the event of a vibration trigger

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

15) What if my remote receiver is built-in on my gatemotor

There are cases where the built-in receiver can be connected to the RX_IN input of the VALARM. However, we suggest to use a separate receiver in this case. A universal

receiver such as the one made by Sentry works very well, which allows existing remotes to be used

16) What if my armed response receiver is already connected the gatemotor, 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. On a gate motor, connect the RX_IN input in order to prevent an alarm condition when the gate open with a remote. If VALARM is connected to a security sliding gate, the VALARM may be connected to the house alarm, so even if VALARM triggers an alarm condition itself during daytime use (when a resident open or closes the door), the house alarm will only make alarm if armed (similar to a PIR sensor detecting movement, the PIR LED will indicate it detecting movement by a resident for example, but house alarm will only trigger alarm condition if armed)

18) Why does VALARM not connect to my phone or an app?

We developed VALARM to be as simple to us as possible. The aim was also to have a system that can be used without any cellphones requiring network connection (becoming a real issue during loadshedding). The aim was to be able to immediately scare off intruders (if a siren is connected), or immediately contact armed response (if linked to alarm system which is linked to armed response company), without the user of a VALARM unit to interact in order to resolve the issue (ie being notified on an app and then having to contact armed response etc). Also, many users don't want connectivity features. This would have resulted in a product with all the bells and whistles, but being too expensive. VALARM was also designed to have no monthly subscriptions (which is typically required when using SMS, Sigfox, or similar network services)

19) Can this product be connected to a motorbike?

Yes it can. We have 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 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 and Sentry GSM communicator,

22) Can the firmware on this device be customized for a specific type of application?
Yes it can, for specific business cases, at the discretion of Disrupter Technologies. Contact us to discuss.

23) Which siren can I use?
Various 12V sirens can be used. The SIREN XY-LSRN 9-15 sold by Communica (Mini Siren), easily fits on the inside of most gate motors, and has a very high audio output

24) What if I don't have an alarm system?
The VALARM unit can be run in standalone mode ie, it acts as an alarm by itself, when a siren is connected to it, for example. The standby current (when no vibration trigger) is less than 1mA. This means that the VALARM unit can run for more than six (6) months on a 12V 7Ah battery. This allows for VALARM to be used in remote areas such as warehouses etc, with a battery and siren, and that being sufficient as a basic alarm deterrent. Adding a long range transmitter can allow connection to alarm system or control centre long distances away.

25) What if I want more configuration options to change the relay duration etc?
VALARM was designed to be a simple-to-use product, and also to be made available at a good value-for-money price. If a product is needed with more user configuration options, have a look at our GALARM product

26) Can I use this product in a 24V application?
a. We do have a VALARM unit available for 24V operation. The standard unit is for 12V operation.