



## Evacuator Synergy Auto Detection Instructions

Evacuator Synergy Automatic Detection Specification and user operating instructions.

Thank you for choosing the Evacuator Synergy RF Wireless Alert system. In order for you to realise the full potential and reliability of this Category One Wireless system it is vitally important that you read this user manual in **full** before attempting to use the system. Failure to understand the correct installation method and functions of the system may lead to intermittent and unreliable connectivity.

We would be delighted to assist all Evacuator Alarm clients with free Telephone Support during office normal hours. For assistance please contact our Technical Support Team on 0845 130 7258 or alternatively email us on [technical@evacuatorialarms.com](mailto:technical@evacuatorialarms.com).

### Specification Overview (All models)

Cable and wire free operation. 40 Devices per Zone. Unlimited number of Sounder strobe units (subject to system design criteria) 16 Secure Zones. No laptops or Tablets required. Licence free Radio Operation. Low battery indication. Secure Swipe Test and Reset Fob. Category 1 Receiver

### Setting up your Synergy Automatic Detector

1. Each unit comprises of a front and back plate. These two halves must be separated in order to connect the battery to the PCB, and to mount your unit to a ceiling.
2. You will need to remove the four screws, one in each corner of the product. **TIP:** Pushing down with very light pressure onto the screwdriver as you are removing the screw will help you to separate both halves of the unit.
3. Now that both halves have been separated you can either use the mounting holes in the four corners or drill your own holes in the middle of the unit. Note: **We Recommend using the holes in the corners as this helps with keeping the IP rating**
4. ONCE THE BACK PLATE IS MOUNTED INTO PLACE DO NOT FIX THE FRONT COVER TO THE BACK PLATE UNTIL THE THREE DIALS ON THE PCB HAVE BEEN SET.

### Device Numbering

**IMPORTANT: Each device must have its own unique address. Failure to observe this will result in system failure.** You can address up to mixed 40 Call points, Automatic Detectors or Base Stations (0 – 39) per Zone. Device 1-39 will be described as **"Slaves"** in this instruction manual. 0 Described as **"Master"**. It is also possible to expand your system with an **unlimited** number of Sounder /Strobe units subject to System design criteria. These units will be described as **"Drones"** in this instruction manual.



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## *Site Alarms*

### **Master Unit (00)**

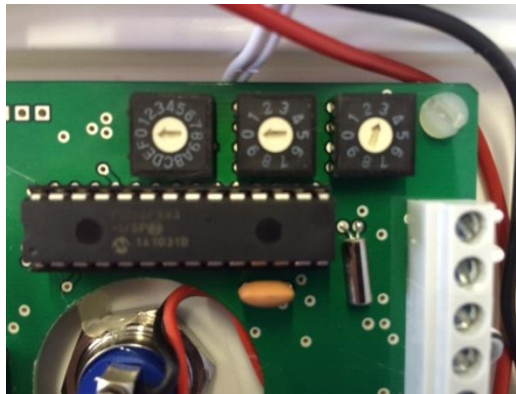
Each system must have its Master unit set first, this is done by setting Dial 2 to 0 and Dial 3 to 0. Your system can only have one Master Unit. To get maximum performance from your system you are best locate your master unit at the centre of the site. The master can either be a Call Point, Auto Detector or Base Station.

### **Slave Units (1-39)**

Slave units can be either a Call Point, Sounder/Strobe, Auto Detector or Base Station. When numbering these devices we recommend numbering them in numerical order for testing.

### **Drones (40)**

Only the Sounder/Strobe unit can be set as a drone unit. This is done by setting dial 2 to 4 and dial 3 to 0 making it device 40. We recommend a maximum of 2 per Slave unit in your system i.e. 20 slaves and 40 Drones.



As you can see above there are 3 dials, dial 1 on the left is **NOT** needed for device numbering. Dial 2 and 3 are used for your device numbering, as you can see dial 2 is set to 0 and dial 3 to number 3. This makes the device number 03. to set a device to number 20 for example dial 2 would be set to 2 and dial 3 set to 0.

**Note: When setting the dials, please use the setting driver supplied**

### **Zone Dial (Dial 1)**

This dial is factory set to "0" and will not need to be changed unless you wish to separate a number of systems that will be operating within 2km of each other. This will be used for example if there are several contractors using the system on the same site or in the same area. It may also be beneficial to separate zones for floors on larger projects.

### **Device Dials (Dial 2 and 3)**

These dials are used to number the Devices as above. Dial 2 will only be used from 0-4, Dial 3 will use 0-9.



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**Note: Each system must have one Master Device (00), to obtain maximum performance we recommend the master is in the centre of the site. In order to identify the Device numbers we recommend using the Device number box located on the side of the stickers.**

### Fitting the Antenna

The rubber duck antenna should now be fitted to the Silver TNC docking point located on the front cover. The Antenna should be placed over the TNC connector and screwed in a clockwise motion until it locates into place. Test that it has been located correctly by gently pulling on the Antenna in an outwards motion.

### Connecting the Battery and Fitting Front cover

The battery should be secured onto the back plate with the industrial Velcro strap. Now connect the white (male) two way plug from the battery into the white (female) plug located on the inside of the front cover.

Once connected offer the front cover up to the back plate making sure that the battery lead does not foul on any of the corners or become trapped. Once connected you will notice that the LED on the front panel begins to flash.

When the front cover is located onto the back plate replace the screws into the four corners of the product. This can now be tightened down to pull the front cover flush to the back plate. **DO NOT OVERTIGHTEN OR USE A BATTERY OPERATED DRILL/SCREWDRIVER TO TIGHTEN THE SCREW AS THIS WILL RESULT IN DAMAGE TO THE SCREW THREADS.**

### Status LED

LED	Status
Red & Green alternate flashing	Power Up Sequence
Green Flashing (30 sec interval)	Standby
Blue Flashing (30 sec interval)	Standby Master Device (Set 00)
Red Blinking	Low Battery
Blue Solid	Test Mode
Red Solid	Reset Mode
White Flashing	Alarm Mode
Green Rapid Flashing	Out of Range
Red Rapid Flashing	Out of Range & Low Battery

### Full Alarm

A full alarm can be raised from any Call Point or Auto Detector in the system. This sounds the main beacon and flashes the strobe light on all Devices connected to the system (auto detectors do not offer audible or visual warnings) . The status LED will also Flash white. This will only stop when a reset command is in place. **NOTE: Auto Detectors do not offer any Sound Output, they are only used in the system to provide Detection of Smoke or Heat**



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## **Final notes before use.**

The Evacuator Synergy Category one Alert System has the flexibility to be utilised in a variety environments and is suitable for a variety applications. However, It is the responsibility of the user/s to determine the application and suitability of the products/s before use. Because we have no control over the systems use, installation or application, FMC Fire, Evacuator Alarms its agents, distributors or employees accept no liability for loss or damages to property or persons that may have been incurred by the use of this product.

We would therefore insist that a full risk assessment of the site and of the Synergy systems intended use is carried out before installation of the system.

If you are not completely convinced or satisfied that this product will meet your safety or alert requirements then the Synergy Wireless System should not be used and must be returned to your place of purchase immediately in its original packaging.

**E&OE.**

### **Evacuator 3 Month Limited Warranty**

This warranty is limited to the original purchaser and is not transferable. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER.

This warranty covers only these products purchased from an authorized Evacuator dealer. Third party transactions are not covered by this warranty. Proof of purchase is required for warranty claims. Further, Evacuator alarms reserves the right to change or modify this warranty without notice.

