

Source Facts/Features

General

Monitor is a comprehensive marine monitoring and security system with GSM remote communication (via your mobile phone). Depending on the model it protects against boat intrusion, boat movement (using built in GPS) and monitors other boat systems.

When the boat alarm is triggered you are informed by text message and an onboard siren and/or strobe is set off. When you want to know what is happening on board you interrogate it via text messaging.

The standard model is supplied suitable for use on a 12v system, however 24v systems are available by special order.

Boat Alarm

Using an array of intrusion detectors Monitor will sound an alarm (including a strobe light) on board the boat and at the same time inform up to 10 mobile phones of the intrusion. If the boat is taken or moves outside of a user defined area, up to 10 mobiles are informed (not Monitor I). A Sleep Safe/Part Arm feature allows for sleeping on board whilst maintaining protection from outside sensors (not Monitor I)

Boat Monitoring

Monitor will also sense and inform when the battery levels fall, bilge levels rise*¹, the smoke alarm is activated*¹ and so on. This monitoring is always on whether the boat alarm is set or not. You can listen via phone to what is happening on board*¹ and speak to those on board*¹. If you are slipping an anchor then it will inform you when a user set distance is breached and can be configured to inform if a user definable speed is breached (not Monitor I)

*¹ - when fitted with the correct accessory

Boat Control

All Monitor versions can be configured to switch one primary circuit by the key fob and text message (we suggest your lights for safely boarding when arriving back in the dark). Up to a further 8 boat circuits*³ can be remotely switched (by text only) even when you are miles from the boat (not Monitor I).

*³ - 5 circuits (up to 8 if Siren, Strobe & Beeper are not required), requires suitable relays

Boat Tracking (via GPS)

Monitor comes with integrated GPS. This can be used for locating your boats position whether on the sea or trailer, as well as a user definable 'over-speed' alarm (all Monitor systems). In addition a GeoFence can be set to provide a movement alarm (see 'Boat Alarm' above) and/or an anchor alarm, provide position, speed and heading information (not Monitor I).

Not just a modified car or house alarm

Monitor was designed through consultation with boat owners, marine and security experts and builds on the previous Nautilarm platform.

It is a high quality unit designed for use in the challenging environment and conditions found at sea in particularly the Rugged version is aimed at open or semi open craft.

Monitor has been designed with extremely low power consumption to avoid battery discharge problems. It has built in boat battery monitoring (up to 3 battery banks) which alerts at a user definable voltage and its own internal back up battery should the main power be cut or fail.

Accessories

There are a number of options to tailor the system to your requirements.

Designed and built in the UK

Monitor was designed and is fully assembled in the UK. The components are all of high grade and designed for use in harsh environments. The GSM units are made from components approved by mobile phone network providers.

What you need

All of the Monitor versions can be supplied as a standard kit, or tailored to suit your needs. These kits are supplied with instructions should the preference be to carry out a DIY installation. With the exception of any holes required to pass through internal panels or trim etc. no specialist tools are required. The fixing kit is supplied with a small flat blade screwdriver for connecting the terminations into the control panel. Other than this it is recommended that a suitably sized and correct format screwdrivers and side cutters are all that is required.

Help in deciding configuration or with installation questions is available from

Compliance

R&TTE DECLARATION OF CONFORMITY

This is to certify that “Monitor” Systems (component products; Control Unit TAD-260, RF Transmitter TAD-214-W300) conform with the following standard(s) or other normative document(s), **ETSI EN 301 511, EN 301 489-7, EN 60950-1**, following the provisions of **R&TTE Directive 1999/5/EC**, when used with the manufacturer-supplied GSM antenna.

ROHS COMPLIANCE DECLARATION

This is to certify that, to the best of our knowledge based on the information provided to us by our suppliers, “Monitor” Systems have been designed and manufactured to be in full compliance with the **European Union’s (EU) Restriction on use of Hazardous Substances (RoHS) Directive 2002/95/EC**.

FCC COMPLIANCE DECLARATION

“Monitor” Systems (component product; Control Unit TAD-260) contains FCCID: MIVGSM0308. This is to certify that this device conforms with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.

Specifications may change without notice. The Monitor products are produced in the UK by TAD Electronics.

“Monitor” systems are not safety critical products. They also cannot stop or prevent a burglary. However, a correctly installed, set up and maintained system, when armed will sound a siren and trigger a strobe (if fitted) and notify by SMS message if any of the zones are triggered. The prime intent is to discourage a would-be burglar. The manufacturers of “Monitor” systems will not be responsible for the failure of the alarm in preventing a burglary or any resulting/consequential damage or loss.

Warranty

Without affecting your statutory rights, Monitor products, when fitted correctly are warranted to be free of manufacturing defects for a period of 1 year from date of purchase or if fitted by a recognised dealer from the registered date of fitting. Should a component fail due to a manufacturing defect during this time, then a replacement component will be supplied following return and inspection of the failed item, every effort will be made to complete this in a timely manner. Damage caused by incorrect installation and or operation will render this warranty void. The manufacturers of “Monitor” products will not be liable for any removal/reinstallation costs or any consequential costs whatsoever.

Specification Table

Function		Mon I	Mo II
Intruder Alarm		✓	✓
Equipment monitoring		✓	✓
Combined GSM/GPS Antenna		✓	✓
Internal Back up Battery		✓	✓
2 RF key Fobs		✓	✓
GSM Signal monitoring		✓	✓
GPS Signal monitoring		✓	✓
GSM/GPS/Status LED		✓	✓
Shore Power monitoring		✓	✓
Overspeed Alarm		✓	✓
Integrated GPS Positioning		✓	✓
Geofence Alarm/Monitoring		✘	✓
Sleep Safe/Part Arm mode		✘	✓
Number of Phones Alerting		3	5
Battery Banks monitored		1	3
Configurable Wired Channels		14	14
Configurable Wireless Channels		10	10
Switching RF (Key Fob) Channels		1	1
Switching Channels (by text)		1	up to 4
Manual & "Monitored By" Stickers		✓	✓

Options			
24 Volt System		Option	Option
Rugged (IP67 Water Proof Enclosure)		Option	Option
Sensors, Relays & Ancillaries		Option	Option

Key:	
Included feature	✓
Excluded feature	✘
Optional extra	Option
Requires additional hardware	