



AISWatchMate™

Collision Warning System



The AISWatchMate is a valuable tool to help avoid collisions at sea. Using the Universal Shipborne Automatic Identification System (AIS) the AISWatchMate displays data from all AIS equipped vessels in your vicinity. Audible warning alarms are sounded if a potentially dangerous situation exists.

Alarm sounds whenever a target will come dangerously close. You are alerted immediately with how close the target will come (CPA) and when (time until CPA).

Customisable alarm and filter settings eliminate false alarms.

Targets are displayed in priority order assisting you to safely navigate in crowded areas.

AIS transponders are mandatory on nearly all commercial ships throughout the world and are being rapidly adopted on other vessels. They transmit each ship's position, speed and course.

Combining received AIS data with your own vessel's GPS data, the AISWatchMate continuously determines the potential for collisions.

Specifications

Size	208mm (W) x 135mm (H) x 76mm (D) (not including bracket or cable)
Power	10-16VDC, typical <100ma (1.2W)
Mounting	Trunnion bracket or flush mount
Flush mount	17mm thickness from panel
Environmental	Watertight (USCG CFR-46, IP67) Operating temperature: 0°C to +70°C Storage temperature: -25°C to +80°C
LCD	125mm daylight viewable 320x240
Lighting	Fully adjustable LCD and button lighting
Serial data	Two input ports and 1 output port with full isolation (EIA RS-232/CCITT V.24)
Protocols	IEC 61162-1, NMEA 0183
Standards	NMEA V2.x/V3.01, ITU-R M.1371-3
AIS messages	All class A and class B position reports, voyage data, static data, aids to navigation and safety messages
AIS receiver	External upgradable single or dual channel
External alarm	Maximum 2A
Targets	Simultaneously tracks up to 128 targets

Benefits

- Safety at night when it's difficult to see ship lights or direction
- Navigating in bad weather when radar is blinded
- Increased safety in high traffic and shipping areas
- Ability to "see around the corner" when radar is blocked
- Can alert you well in advance if you are in danger of a collision
- Positive identification of targets with the vessel id and name for voice and DSC communication
- Ideal for short-handed crews
- Operates on very low power so it can be left running at all times
- Does not require a computer or chart plotter

Easy to interpret display immediately shows all the info you need.

Organises targets by priority for operation in high traffic areas.

Filters eliminate false alarms when navigating in crowded shipping areas.

Customisable profiles (anchored, harbor, coastal and offshore) quickly tailor alarm settings to your situation.

Handles all types of AIS (class A and B, aids to navigation and safety messages).

Simple to use. On screen help for every setting.

AIS data can be sent to optional computers and chart plotters.

Controls external alarms, buzzers or indicators.



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