

KEY FEATURES

- Alarm notification via strobe and internal piezo sounder
- UV-stabilised, ingress sealed and impact resistant case
- Can initiate manual alarm and mute alarm sound/strobe
- Switch input and relay outputs to connect to external devices e.g. sirens, warning lights, emergency switches
- Surface, flush or bracket-mounted options¹
- Variable power input 11 - 30V DC



Automated monitoring of network connectivity



Push-buttons to dim display and raise/mute alarms



Bracket mounting kit available



Alarm notification via strobe and audible alarm

Mobilarm Crewsafe is a wireless sensor network designed to improve the workplace safety of marine employees by keeping track of the crew at work at all times. A series of wireless routers creates a monitoring and reporting network that automatically detects emergencies involving personnel and initiates a full-scale alert within seconds of an incident occurring, such as man overboard. Each employee carries a small transceiver - a Crewsafe Tag - whose radio signal connects them to the wireless network via the Crewsafe routers. The network detects any loss of the radio signals and automatically raises the alarm.

The **Crewsafe Internal Router** relays the transmission and reception of the Crewsafe radio signals throughout the interior of a vessel or facility. It routes network data from other routers and Crewsafe Tags to the Crewsafe Management System or Crewsafe Display Console and provides a visual and audible alarm in an emergency - within seconds of a man overboard, duress, manual or general alarm being raised, the Internal Router's high-intensity strobe light starts to flash and its internal piezo alarm sounds.

An emergency switch can be connected to the Internal Router via the switch input and its two relay outputs permit connection to other devices such as sirens and warning lights, which automatically activate when the Crewsafe alarm is raised.

The alarm button on the Internal Router can be used to raise a manual alarm. Other features include a mute button to reduce the alarm sound and cancel the strobe light, and a dim button to alter the brightness of the LED display.

¹ Bracket mount kit sold separately

SPECIFICATIONS

General	
Power Supply	11 - 30V DC
Maximum Power Consumption	3W
Operating Temperature	-15° to +70°C (+5° to +158°F)
Stowage Temperature	-20° to +70°C (-4° to +158°F)
Environmental Resistance	IP56
Compass Safe Distance	Safe when inactive at close range (500mm - tested as per IEC 60945 safe distance test); low EMF prior to unit activation
Dimensions	184 x 103.6 x 40mm (7.24 x 4.08 x 1.57in)
Weight	247g (8.7oz)
Case	Ingress sealed; UV-stabilised; impact resistant housing
Mounting Options	Surface, flush or bracket-mounted ¹
Strobe	120° dispersion at 5 candela
Audio Alarm	70dB at 30cm (1ft) with 24V DC supply (when bracket mounted)
Certification	C✓; CE; FCC
Connections	
Programming Interface	Infrared serial communications for firmware upgrades and device configuration
Relay Outputs (2)	Optically isolated for activation of additional alerting devices; supports a switching current of 1.5A at the supplied voltage, switched to ground
Switch Input	100mA switched to ground with a 5K input impedance
Relay 1 Output States (used for devices attached to the router)	
Open	Open during normal operation or if Internal Router mute has been activated
Closed	Closes when any alarm is activated
Relay 2 Output States	
Open	Open during normal operation
Closed	Closes when any alarm is activated until the system is restored to normal operation
Controls	
Alarm Button	Raises/cancels manual alarm; locally mutes active alarm
Dim Button	Changes brightness of LED display (4 settings)
Display	
Network LED	Network connectivity status
Strobe	Flashes in alarm mode
Alarm Notification	
All Alarm Types	Strobe light flashes; piezo alarm sounds
Network Fault	Network LED flashes blue (long, slow)
Network Connection Lost	Network LED flashes blue (short, fast)
Router Failed	Network LED solid red