

KEY FEATURES

- Automatic alarm notification via high-intensity strobe light
- Heat proof to +70°C and fully sealed
- Relay output and switch input for connection to external devices e.g. sirens, warning lights
- Surface, plate or pole-mounted options
- Variable power input 11 - 30V DC



Provides network coverage in exposed areas



Supplied with with cable and mounting plate



Pole mount kit available



Automated monitoring of network connectivity

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 External Router** relays the transmission and reception of the Crewsafe radio signals around the exterior of a vessel or facility, or in areas where a fully sealed, waterproof and heat resistant unit is required. It routes network data from other routers and Crewsafe Tags to the Crewsafe Management System or Crewsafe Display Console and provides a visual alarm in an emergency – within seconds of a man overboard, duress, manual or general alarm being raised, the External Router's high-intensity strobe light starts to flash.

An emergency switch can be connected to the External Router via the switch input and its relay output permits connection to another external device such as a siren or warning light, which will automatically activate when the Crewsafe alarm is raised.

The External Router can be surface or pole-mounted¹.

¹ Pole mount kit sold separately

SPECIFICATIONS

General	
Power Supply	11 - 30V DC
Maximum Power Consumption	3W
Operating Temperature	-20° to +70°C (-4° to +158°F)
Stowage Temperature	-20° to +70°C (-4° to +158°F)
Environmental Resistance	IP67
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	168 x 140 x 45.7mm (6.61 x 5.51 x 1.80in)
Weight	736g (26oz) including supplied cable
Case	Ingress sealed; UV-stabilised; impact resistant housing
Mounting Options	Surface, plate or pole-mounted ¹
Strobe	120° dispersion at 5 candela
Certification	C✓; CE; FCC
Connections	
Programming Interface	Infrared serial communications for firmware upgrades and device configuration
Relay Output (1)	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 Display Console mute has been activated
Closed	Closes when any alarm is activated
Display	
Network LED	Network connectivity status
Strobe	Flashes in alarm mode
Alarm Notification	
All Alarm Types	Strobe light flashes
Network Fault	Network LED flashes blue (long, slow)
Network Connection Lost	Network LED flashes blue (short, fast)
Router Failed	Network LED solid red