

SPECIFICATIONS

General	
Personal Area Network	2.4GHz ISM band
Wireless Network Protocol	IEEE 802.15.4
Certification	C✓; CE; FCC
System Nodes Supported	Maximum 32 Routers and 48 Tags. Total number of nodes must not exceed 64.
Compass Safe Distance	All system components safe when inactive at close range (500mm - tested as per IEC 60945 safe distance test); low EMF prior to unit activation
Stowage Temperature	-20° to +70°C (-4° to +158°F)
System Alarms	
MOB Alarm	10 seconds (nominal) after a tag's signal is disconnected from the system
Duress Alarm	Within 4 seconds (nominal) of activation
General/Manual Alarm	Immediately (nominal) after activation via the Alarm button
Paging Alert	Within 4 seconds (nominal) of activation using Crewsafe Management Software
Crewsafe Display Console	
Power Supply	11-30V DC
Maximum Power Consumption	5W
Operating Temperature	-15° to +70°C (5° to +158°F)
Dimensions	184 x 103.6 x 40mm (7.24 x 4.08 x 1.57in)
Weight	301g (10.62oz)
Case	Ingress sealed, UV stabilized, impact resistant housing
Mounting Options	Surface, flush or bracket-mounted
Environmental Resistance	IP56
Strobe Light	120° dispersion at 5 candela
Audible Alarm	70dB at 30cm (1ft) with 24V supply (when bracket-mounted)
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
Serial Communications	2 x 4 wire interfaces supporting NMEA 0183 specifications. System is compatible with the following NMEA sentences: RMC; RMA; GGA; GLL; DSC/DSE; WPL; BWC; BWR
Internal Router	
Power Supply	11-30V DC
Maximum Power Consumption	3W
Operating Temperature	-15° to +70°C (5° to +158°F)
Dimensions	184 x 103.6 x 40mm (7.24 x 4.08 x 1.57in)
Weight	247g (8.7oz)
Case	Ingress sealed, UV stabilized, impact resistant housing
Mounting Options	Surface, flush or bracket-mounted
Environmental Resistance	IP56
Strobe Light	120° dispersion at 5 candela
Audible Alarm	70dB at 30cm (1ft) with 24V supply (when bracket-mounted)
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

External Router	
Power Supply	11-30V DC
Maximum Power Consumption	3W
Operating Temperature	-20° to +70°C (-4° to +158°F)
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 stabilized, impact resistant housing
Mounting Options	Surface, flush, bracket or pole/railing-mounted
Environmental Resistance	IP67
Strobe Light	120° dispersion at 5 candela
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
Tag	
Battery	1 x rechargeable 3.6 volt CR2 battery
Battery Shelf Life	1 year
Battery Life - Full Charge	Up to 48 hours of normal operation
Battery Life - MOB Alarm	Up to 4 hours in an alarm state when fully charged
Battery Life - Low Battery	10 hours from low battery indication
Operating Temperature	-20° to +70°C (-4° to +158°F)
Dimensions	95.4 x 50.2 x 37.3mm (3.76 x 1.98 x 1.47in)
Weight	78g (2.75oz)
Case	Impact resistant, UV stabilised polycarbonate shell with TPE overmould
Mounting Options	Attach to belt, webbing, harness or lifejacket (worn at waist level recommended). Short and long clip supplied.
Environmental Resistance	IP68 (2 metres for 1 minute)
Buoyancy	Positive buoyancy
Strobe Light	RTCM standard-compatible for in-water tracking
Power Dock	
Power Supply	11-30V
Maximum Power Consumption	12W
Operating Temperature	-10° to +55°C (-14° to +131°F)
Charge Time	4 hours maximum (for four fully discharged tags)
Dimensions	380 x 115 x 54mm (14.96 x 4.53 x 2.13in)
Weight	0.5 kg (17.64 oz)
Case	Impact and water resistant
Mounting Options	Wall-mounted only. Mount up to 4 power docks side by side (vertical or horizontal).
Environmental Resistance	IP56