Lone Worker Solutions

To maximise the safety and protection of your field or lone workers, MTData offers robust and reliable solutions that provide live alerting capabilities in the event of an emergency.

Give your workers peace of mind with the PTX1 Basic Solution which offers reliable one-way transmission of emergency alerts. The WorkForce®1 Advanced Solution provides more comprehensive safety features including real-time motion-sensing, and fall-detection.

Lone Worker Solutions feature worker worn devices for events outside of vehicles

These Lone Worker Solutions interface with the vehicle's tracking unit, providing live information, including the location of the driver and vehicle at the time of the triggered event. Alerts can be sent to nominated recipients to follow a defined procedure or be diverted directly to emergency responders. This system allows operators to enhance the safety of their drivers whilst ensuring Chain of Responsibility compliance.

Maximise work safety

Safeguard your workers in hazardous environments and in the event of an emergency with user-worn alerting technology.

Real-time data for critical response

Track live location of an accident for fast emergency response and procedures.

Ensure Chain of Responsibility Compliance

Have confidence that your business is complying with Chain of Responsibliity obligations.

MTData

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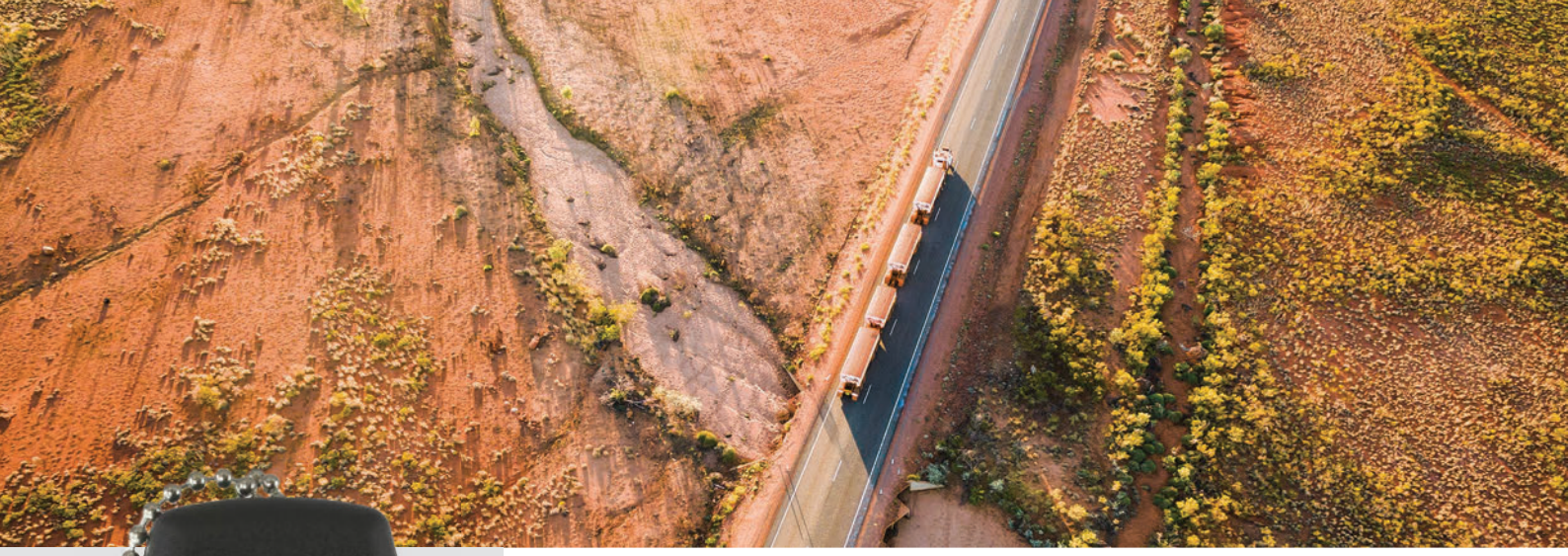

Lone Worker Solution

PTX1 Basic

The PTX1 Basic Lone Worker Solution is a complete system that includes a Remote Pendant and a Receiver. The Remote Pendant is a user worn accessory that can be attached to a lanyard or hip holster. Once pressed, the Moisture proof inner membrane button illuminates.

The PTX1 Basic solution integrates with the tracking unit, providing live information, including the location of the driver and vehicle at the time of the triggered event. Alerts can be sent to nominated recipients to follow a defined procedure or be diverted directly to emergency responders. Give your field workers the peace of mind that a call for help is only a button press away.

Features

- Large button design
- Moisture proof design
- 12V battery operation
- Low battery alert
- Code hopping encryption
- Latch or momentary signals
- Crystal controlled +/- 100KHz
- Weatherproof housing

Specifications	
Encryption	Code-Hopping
Range	500m (Open air)
Frequency	403MHz / 433MHz (Receiver)
Memory Capacity	80 remotes
Battery	12V (23A Alkaline battery)
Voltage Range	10V to 13V DC (Pendant Remote) 9.8V to 26V AC/DC (Receiver)
Current Draw	32mA (Pendant Remote) 20mA (Receiver)
Dimensions (LxWxH)	70 x 37 x 18mm (Pendant Remote) 187 x 104 x 67mm (Receiver)
Gross Weight	31g (Pendant Remote) 235g (Receiver)
Operating Temperature	-7 to 65°C (Pendant Remote) -3 to 65°C (Receiver)
Warranty	12 months

Note: Specifications subject to change

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Lone Worker Solution

WorkForce1 Advanced

The WorkForce®1 an advanced Lone Worker Solution featuring a worker-worn, motion-sensing device to help protect workers in dangerous and hazardous environments. The Worker Worn Device uses independent, high performance radiofrequency wireless signaling to a transceiver mounted inside the vehicle.

The WorkForce®1 Advanced Solution provides real-time motion-sensing, including fall-detection, and contains an Emergency Alarm Button to immediately transmit a distress alarm signal. The Alarm Monitoring (AM) version also receives distress alarm signals from other workers equipped with WorkForce® and alerts the user with audible and visual indicators. Each transceiver installed in a vehicle supports up to ten Worker Worn Devices, protecting multiple workers for a single job.

Features

- Lone Worker worn device
- Front manual panic alarm button
- Motion sensing alarm
- 15 second pre-alert before transmitting full alarm
- Advanced fall detection
- 40 hours of run time
- 3-4hr recharge time
- Audible and visual out-of-range alert
- Receiver supports up to 10 transmitter devices

Specifications	
Encryption	Proprietary Frequency hopping spread spectrum - digital encoded
Range	800m (over flat terrain with moderate foliage)
Frequency	900MHz (ISM license free, spread spectrum)
Memory Capacity	(10) WorkForce®1 pendants
Battery	WorkForce®1 (120VAC, Optional 12VDC, USB 1000mA)
Internal Battery	3.7V nominal, 1960mAh, lithium-ion rechargeable 3-4 hour charge time
Device Run Time	Approx. 40hrs in Sensing Mode 8 hrs in Alarm Mode
Voltage Range	USB powered 4V +/- 5% (WorkForce®1 pendant) 10-34 VDC (MX900-H Transceiver)
Current Draw	Avg 60mA (WorkForce®1 pendant) Avg 22mA (MX900-H Transceiver)
USB Connector	Micro B USB connection for battery charging and WorkForce®1 configuration
Dimensions (LxWxH)	86 x 58 x 32mm (without clip)
Gross Weight	162g
Operating Temperature	-20 to 55°C
Certifications	IP67
Warranty	12 months

Note: Specifications subject to change

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