

Designed and  
Manufactured in the  
United Kingdom



## ZoneSafe™ Discovery Activate 3rd Party Devices Via RFID Technology

### Why ZoneSafe™

- ◆ Safeguards Intrusion
- ◆ Helps prevent collisions
- ◆ Seamless Integration
- ◆ Reduces Risk
- ◆ All round 360° detection
- ◆ Configurable detection range
- ◆ Hands free operation
- ◆ Easy to operate
- ◆ Event recording
- ◆ Data download and analysis
- ◆ Self diagnostic
- ◆ Orientation free transponders

### ZoneSafe™ advantages

- ◆ Set-Up Safe Zones
- ◆ Detect Pedestrian Workers
- ◆ Identify Vehicles
- ◆ Audible and Visual Warnings
- ◆ Hands Free Technology
- ◆ Data Analysis
- ◆ User Friendly Software

### ZoneSafe™ Software

- ◆ ZoneSafe™ Manager for PCs
- ◆ ZoneSafe™ ZS Analytics Web
- ◆ ZoneSafe™ PST Manager Web



ZoneSafe™ is supplied as a self installation kit. Each ZoneSafe™ Discovery kit comprises 1 x Control Unit, and 5 x Personnel Transponder Tags (Grey). Additional Transponder Tags are available on request

### How is ZoneSafe™ Discovery installed and utilised ?

The Control Unit is installed at the location required and 24V DC power applied.

Personnel wear safety Transponders which can be integrated into Hi-Vis clothing and other PPE.

Transponders could also be fitted to moving vehicles.

Accessories such as 24V DC Power Supplies and Mounting Brackets are available.

An optional Transponder Tester can be used to test personnel Transponders on a daily basis to ensure correct functionality of the Transponders in the work area



ZoneSafe™ Transponder Test Unit

### • What is ZoneSafe™ ?

- ZoneSafe™ is a proximity warning system which produces a 360° invisible detection zone
- When activated, the system provides a N/O and N/C contact that can be used to activate 3rd party devices
- On activation, the contacts could be used to open a roller shutter door, activate a camera, a visual alarm or audible klaxon



- The system could be used to prevent unauthorised access to restricted areas

### • How does ZoneSafe™ work ?

- ZoneSafe™ uses electronic safety transponders to detect personnel and vehicles. The system produces a 360° proximity detection zone at the required location. Entering the detection zone triggers the N/O and N/C contacts

### • System Logging

- ZoneSafe™ records up to 8000 events including system status and tag detections. The event log can be downloaded to a PC via TCP/IP and analysed to help improve security methods and identify possible problems



## Technical Specifications

### Frequency

The ZoneSafe™ Systems comply to the iDA approved frequency for RFID equipment of 868 MHz

### Communications

Communications to the Systems is via TCP/IP

### Documentation

The ZoneSafe™ Systems are supplied complete with comprehensive and easy to use installation and operation manuals

### Technical Support

Demonstration available on request and by appointment

Technical documents available on request

### Sales

Contact us via E-mail or Telephone and our technical sales staff will be pleased to provide prices for packaged self install systems and quotations for bespoke systems and accessories

#### Appointed Distributor for Singapore


**Automation Support Services Pte Ltd**  
60 Kaki Bukit Place,  
# 08-13 Eunos Techpark  
Singapore 415979  
Tel: +65 6844 6223  
E-Mail: info@assmsb.com



Discovery Reader Unit		
<b>Electrical</b>	Power	24V DC
	Operating Voltage	24V DC
	Current Consumption	300mA
	Memory	7000 Events
<b>Mechanical</b>	Dimensions (inc glands)	230mm x 300mm x 90mm
	Material	ABS
	Weight	1.5kg
	Connectors	IP68 ABS Glands
	Relays (for additional sounders/beacons)	2 x Guided Contacts DPDT Rated Current 8A
	Mounting	
<b>Communications</b>	Data	TCP/IP
	Wireless	NA
<b>Environment</b>	Ingress Protection	IP67
	Temperature	- 10°C to + 55°C
<b>Radio</b>	TX Frequency	125kHz
	RX Frequency	868.4MHz
	Range	TX: 2-5(adjustable) RX: 50m



ZoneSafe™ Transponder		
<b>Electrical</b>	Power	Lithium Coin Cell
	Operating Voltage	3V
	Life	2.5m Reads or 2 Years*
<b>Mechanical</b>	Dimension	85mm x 54mm x 7mm
	Material	ABS (Grey/Yellow)
	Weight	22.5 grams
<b>Environment</b>	Ingress Protection	IP67
	Temperature	- 10°C to + 55°C



ZoneSafe™ Transponder Test Unit		
<b>Electrical</b>	Power	18V to 30V DC Input
	Operating Voltage	24V DC
	Consumption	300mA
	Memory	7000 Events
<b>Mechanical</b>	Dimensions (inc. glands)	285mm x 150mm x 102 mm
	Material	Anodised Aluminium Base. Polystyrene Weather Resistant HIPS Cover
	Weight	965 grams
	Connectors	IP68 ABS Glands
	LEDs	Blue - Transponder Detected Green - Battery Good Red - Low Battery Warning
	Relays	2 x Guided Contacts DPDT Rated Current 8A
	Mounting	Integrated M8 Blind Nuts Optional Mounting Kit
<b>Communications</b>	Data	TCP/IP
<b>Environment</b>	Ingress Protection	IP67
	Temperature	- 10°C to + 55°C

