

Universe⁺ (plus)

Integra - Wireless Security System



***A world of
protection
without cable***
using advanced radio technology



Wireless Security

Integra is a fully featured EN50131 compliant stand-alone wireless intruder security solution. Using the Universe+ (*plus*) range of wireless intruder sensor devices, an Integra system can be easily and quickly installed without disrupting business operation or damaging the fabric of the building.



All wireless devices such as PIRs, contact switches and break glass sensors are based on 868MHz bi-directional secure communications. Integra also provides additional modules including a voice synthesizer for generating voice messages in response to system events and access control features using proximity card readers.

Wire-Free Environment

EMS Group has over 30 years experience in providing secure radio-based solutions to high-risk security applications, in particular the financial and banking markets. Through Universe+ (*plus*), this experience has enabled wire-free applications, and their many advantages, to be extended into markets currently unfamiliar with their benefits.

- Sensors and devices can be installed in less than 10 minutes
- Eliminates costly first/phased fixing
- No disruption to the day-to-day operation of the building during installation
- No damage to the fabric of the building - important for heritage buildings and high-value domestic premises
- Flexible designs can be easily changed and expanded as the building layout changes

Features

- EN50131 Compliant
- 4 to 128 zones each with a configurable output
- 4 to 32 partitions: controlled by users, timers or control inputs
- Control panel programming via keypad or by computer, locally or remotely via a modem, using DLOADX software
- Fully monitored radio devices using 868MHz Bi-comm. technology
- Sophisticated access code facilities with different authority levels - 16 to 240 user codes, 8 master codes, 1 engineer code
- Both system and user defined partition timers
- Extensive event configuration and logging
- Access control - Door status monitoring and latch control by means of partition keypads, code locks, proximity card readers
- Telephone monitoring, call answering and messaging
- Internal modem - 300bps, support for external analogue, ISDN, Ethernet and GSM modems

*A world of protection
without cable...*

Power Technology

The key to eliminating cable is the ability to power sensors and devices locally. The one area that has transformed radio-based systems is the development of advanced power management technology. Replaceable low-cost energy packs located integrally in each device coupled with system-wide power management software, ensures any energy pack replacement is achieved during normal maintenance - further reducing cost of ownership.

ACU System

Part of the Universe+ (*plus*) family, the ACU is a unique universal interface that connects any security alarm panel to the Universe+ (*plus*) range of wireless devices such as PIRs, contact switches and break glass sensors.

This enables any existing hard-wired security system to be expanded without the need to install additional cable, no matter what make of control panel is used.

Integra System Controller

The Integra Controller connects with up to 14 ACU-100 wireless interface modules via a high-speed bus. The ACU-100 provides the wireless interface for up to 128 of the Universe+ (plus) radio field devices.

System programming can be undertaken by a LCD keypad connected to the unit. The DloadX configuration software is also supplied as standard with each system for PC based programming. The Integra Controller and ACU-100 require to be locally powered.



Access Control

Proximity card readers connect directly to the Integra Controller to provide site-wide door access control facilities.



CA-64 Expansion Modules

A range of expansion modules that connect directly to the Integra Controller and provide hardwired connectivity to external systems and I/O.



Wireless Field Devices

APD-100 PIR Detector



- Interchangeable fresnel lenses
- Integrated tamper switch
- Operating frequency band: 868.0MHz-868.6MHz bi-directional
- EN50131 environmental class: II
- EN50131 security grade: 2
- Supply voltage: CR123A 3V Battery
- Life of detector battery: Approx. 2 years
- Recommended installation height: 2.1m
- Operating temperature: 0-55°C
- Dimensions: 63 x 96 x 49mm



ASP-105 Outdoor Sounder/Beacon

- Separate wireless acoustic and optical signal triggering
- Four selectable sounds
- Xenon strobe
- External 12V dc power supply required for battery charging
- Integrated tamper protection

AMD-100/101* Contact Transmitter



- Dual magnetic sensors
- Integrated tamper switch
- Operating frequency band: 868.0MHz-868.6MHz bi-directional
- EN50131 environmental class: II
- EN50131 security grade: 2
- Supply voltage: CR123A 3V Battery
- Life of battery: Approx. 2 years
- Detector type: N/C
- Operating temperature: 0-55°C
- Dimensions: 24 x 110 x 27mm

*AMD-101 is a two channel contact transmitter

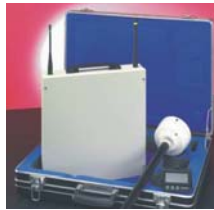
System Support

The successful design and installation of a Universe+ (*plus*) system can only be achieved with professional support.

EMS has established a National network of sales/technical support staff, regionally located, to best meet the customers' needs. This is backed up with a full two year warranty across all products.

Radio Survey

The radio survey forms the backbone of any Universe+ (*plus*) system design and installation. To achieve this EMS provides a professional survey service that ensures the correct location of radio equipment for each and every site application.



Approved Installer Network

All Universe+ (*plus*) systems are installed via a network of approved installers. These companies have undertaken extensive training which is on-going as new products are developed.

At all times throughout the project EMS will provide technical support if required.

Radio Facts

By using a secure proven radio signalling technology and unique radio communication algorithms in conjunction with the Radio Communications Agency's tight control of frequencies available for use in the UK, EMS has been able to bring together a solution which meets the security standard EN50131.

Radio communications are now part of everyday life and reliable interference free use is the norm. This is also the case with EMS radio technology - radio interference has never caused false alarms on EMS systems.

The following communications do not affect the operation of EMS systems.

- Mobile phones
- Taxi or emergency service radios
- Air Traffic Control
- Military
- Radio microphones
- Car alarm key fobs

This list is an example and not limited to the above.

*Radio interference
has never caused
false alarms on
EMS Systems...*



Customer Services
EMS Group Head Office
Technology House
Sea Street
Herne Bay
Kent CT6 8JZ
England

Tel: +44 (0) 1227 369570
Fax: +44 (0) 1227 369679
Email: enquiries@emsgroup.co.uk

www.emsgroup.co.uk

