**ADEMCO microtech**

## Galaxy Gold

Galaxy Gold is an advanced, high performance software application that enables remote servicing and programming, via the PSTN, ISDN or 10 Base T Ethernet (TCP/IP) local and wide area networks, of any Galaxy panel. Alternatively, a dedicated connection between Galaxy Gold and a single Galaxy control panel can be established via a Galaxy RS232 Module.

Communication is initiated by either Galaxy Gold or the control panel. Once connected, Galaxy Gold provides complete control over the Galaxy panel, enabling full function remote servicing to be carried out.

The Galaxy Gold menu options provide the operator with a comprehensive range of features that allow site data to be copied to and stored on the PC, modified and overwritten to panels, as well as allowing the creation and off-line programming of sites prior to the commissioning of new Galaxy panels.

**Features:**

- Full function remote servicing
- Galaxy panel call-back
- Copying of panel program data
- Overwriting panel program data
- Off-line data programming
- Event log copying
- Displaying and printing of selected event log categories
- Password protected access to Galaxy panels
- Password protected access to Galaxy Gold
- Programmable user functions
- Single local site servicing
- Multiple remote site servicing
- Copy protection device (dongle) version available

## Security Director's Gold (SDG)

A software package developed specifically for in-house security managers allowing access to key features of the Galaxy Gold programme in order to facilitate:

- Event log copying
- Holiday period changes
- Summer time date change
- User code amendment

## Alarm Monitoring

Alarm Monitoring is designed to be used either remotely, receiving signals from remote Galaxy sites, via the Telecom Module, ISDN or Ethernet Module, or on-site receiving signals directly via an RS232 interface. The encrypted alarm transmissions are captured by the Alarm Monitoring software and presented to the operator in a precise and detailed manner. The operator is prompted to acknowledge each alarm before taking appropriate action. The activity of each alarm is recorded and time stamped.

Alarm monitoring also allows authorised users to connect directly to the panel, via the Galaxy Gold mimic function.

| GALAXY REQUIREMENTS | SPECIFICATION |
|---|---|
| On-Site Servicing | Galaxy RS232 interface module |
| **PC REQUIREMENTS** | **SPECIFICATION** |
| Processor | IBM compatible Pentium 166 or higher (for Windows 95/98) or Pentium II 233 (for Windows NT, Windows 2000, Windows Millennium Edition (ME), Windows XP) |
| Memory | 32 MB RAM minimum for Windows 95/98 or 64 MB RAM minimum for Windows NT, Windows 2000, Windows ME, Windows XP |
| Hard Disk | 40 MB |
| CD-ROM drive | required |
| Operating System | Microsoft Windows 95, Microsoft Windows 98, Microsoft Windows NT with service Pack 3, Windows 2000, Windows ME, Windows XP |
| Interface | 2 serial ports, 1 parallel port |
| Graphics Adaptor | Super VGA or higher resolution |
| Display | Super VGA or higher resolution (800 x 600 min screen resolution) |
| Mouse | Microsoft Windows compatible |

| SYSTEMS | ORDER CODES |
|---|---|
| Galaxy Gold Licence Kit | R006-CD |
| Galaxy Gold Update | R007-CD |
| Galaxy Gold Dongle CD Licence | R011-CD |
| Galaxy Gold Update: Dongle | R012-CD |
| SDG Licence Kit | R021-CD |
| SDG Update | R023-CD |
| SDG Dongle CD Licence | R022-CD |
| SDG Update Dongle | R024-CD |
| Alarm Monitoring Licence Kit | R009-CD |
| Alarm Monitoring Update | R010-CD |
| Alarm Monitoring Dongle CD licence | R013-CD |
| Alarm Monitoring Update: Dongle | R014-CD |

In accordance with the policy on police response, adopted by the Association of Chief Police Officers in 2001 and implemented alongside the British Standard Institute's DD243:2002 which specifies intruder alarm installation criteria, the Ademco Microtech Galaxy panels can provide confirmed alarm technology. Where installed, the correct registration and use of this technology will qualify premises for police response to a confirmed alarm activation.

**See our full range on the website:**
**http://www.ademco-microtech.co.uk**

L245 Issue 1

## Created across a single platform ~ the galaxy range offers consummate integration, flexibility and choice.

### Galaxy Range

The superb high-end systems offered by the Galaxy range enable a security systems installation company to create virtually any size of system, from residential through small commercial to high specification bank installations with total confidence. The panels are complemented by a full range of peripherals offering integrated flexibility unmatched in the industry.

### PC Packages

The Galaxy control panel range is supported by a suite of software packages (**Galaxy Gold, Alarm Monitoring, Security Director's Gold**) which facilitate remote servicing and event monitoring.

### Galaxy Door Entry Control

These products extend the capability of the Galaxy control panel to enable independent management of entry and exit routes and control of access points.

### Wireless Applications

This Galaxy Panel Range may also be used with RF peripherals to configure a wireless or hybrid wireless/wired system. See Galaxy RF Peripherals brochure for further details.
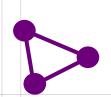
### Ademco Microtech...

- represents a resource of knowledge and experience that is second to none in the industry.
- is a marriage of two pioneering companies who, over the last 55 years, have regularly launched innovative products, many of which have gone on to become industry standards.
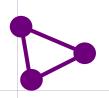- is committed to delivering a first class product to the customer. The company has achieved and maintained ISO 9001 accreditation.
- provides free product training and comprehensive technical support to professional installers.

## Intelligent Design - Inspired Choice - Integrated Strategy

## Features

### Galaxy 8, 18, 60, 128, 500, 504

- Self diagnostics
- Intrusion trace
- Programmable function keys
- Programmable user names
- Event log date search
- 7 user access levels
- Full function remote servicing
- System configuration display
- Programmable user menu
- High/low resistance monitoring
- Automatic summer time change
- Reversible output polarity
- Autoset/Autounset
- Independent group programming
- Support for MAX/MicroMAX proximity access reader
- Dual PIN and Max/MicroMAX operation
- Setting and unsetting using MAX/MicroMAX cards and fobs
- Part set
- Remote reset
- Printer and computer options
- Program up/downloading

### Galaxy 512

The Galaxy 512 is designed for high security applications and features the following facilities in addition to those included on the 8 - 504 range

- Automatic Teller Machine protection
- Independent Group lockout
- High Security timer control

## Panel Specification Chart

| GALAXY CLASSIC RANGE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **8** | **18** | **60** | **128** | **500** | **504** | **512** |
| Zones | 8 | 10 to 18 | 12 to 60 | 0 to 128 | 0 to 504 | 0 to 504 | 8 to 512 |
| RIOs | 0 | 1 | 6 | 16 | 63 | 63 | 64 |
| Keypads | 16 | 16 | 16 | 16 | 32 | 32 | 32 |
| MicroMAX† | 2 | 3 | 4 | 8 | 16 | 32 | 32 |
| KeyProx | 2 | 3 | 4 | 7 | 15 | 24 | 24 |
| RS485 Lines | 1 | 1 | 1 | 2 | 4 | 4 | 4 |
| Super User Codes | 50 | 100 | 200 | 250 | 500 | 999 | 999 |
| Groups | 0 | 3 | 4 | 8 | 16 | 32 | 32 |
| Outputs | 6 | 6 to 10 | 6 to 30 | 4 to 68 | 4 to 256 | 4 to 256 | 4 to 260 |
| 7 Day Timers | 0 | 0 | 2 | 2 | 2 | 2 | 2 |
| Zone Types | 32 | 41 | 41 | 41 | 41 | 41 | 45 |
| Output Types | 25 | 60 | 60 | 60 | 60 | 60 | 65 |
| Event Log | 250 | 500 | 500 | 500 | 1000 | 1000 | 1000 |
| Max Log | 250 | 500 | 500 | 500 | 1000 | 1000 | 1000 |
| Multi-Users | No | No | 4 | 8 | 8 | 16 | 16 |
| Printer Module | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| Telecom Module | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| Autoset | no | 20 on/off | 20 on/off | 20 on/off | 20 on/off | 20 on/off | 20 on/off |
| Pre-Check | no | no | yes | yes | yes | yes | yes |
| Lockout | no | no | no | no | no | no | 20 on/off |
| Group Omit | no | yes | yes | yes | yes | yes | no |
| Links | 0 | 32 | 64 | 128 | 256 | 256 | 256 |
| Link Outputs | 0 | 5 | 15 | 15 | 15 | 15 | 15 |
| Part Set | yes | yes | yes | yes | yes | yes | yes |
| RS232 Module | optional | optional | optional | optional | optional | optional | optional |
| Ethernet Module | optional | optional | optional | optional | optional | optional | optional |
| Remote Servicing | yes | yes | yes | yes | yes | yes | yes |
| RF RIO compatible | - | yes | yes | yes | yes | yes | yes |

† MAX Users have been removed and all users will now be Super Users.

For an entry level 16 zone galaxy panel see our Galaxy 16/16*plus* brochure.

## Mk7 Keypad (CP027)

The Mk7 keypad is one of the most stylish, yet easy to use keypads available. Compatible with the full Galaxy range of control panels, it is packed with the following frequently specified features:

**Features:**
- Full 16x2 alpha numeric display
- Fully addressable via rotary switch
- Off the wall tamper protection
- Easy installation characteristics
- Backlight on/off facility
- 16 button keys
- Direct connection to Galaxy RS485 communications bus

**Mk7 Keypad**
Dimensions: 149mm x 91mm x 31mm

## Remote Input Output Module (RIO) (CO72)

Remote Input Output Module (RIO)
dimensions:
149mm x 91mm x 39mm

- May be added to the Galaxy 18, 60, 128, 500, 504 and 512 control panels
- Each additional RIO expands the system by eight zones and four outputs
- Fully addressable via rotary switch

### RF RIO (CO76)

This module acts as an RF receiver. It supports 32 RF zones, 30 5804H RF keyfobs and 4 transistorised outputs.

## KeyProx (CP028/CP028H)

The KeyProx is a combined LCD Keypad and proximity reader, which connects directly to the Galaxy communications bus.

- Available in two variants - ASK; ASK & HID
    - Supports standard ASK format
    - Supports HID 26 and 34 bit protocols
- Card "Self Learn" capability
    - Capability to read proprietary encrypted card types
- Simple set/unset capability - removes the need for PIN entry
    - DD243:2002 - KeyProx allows completion of unsetting using portable equipment (card or fob), confirmation facility remains enabled
- Dual action functionality
    - PIN+Card and CARD+Card to set/unset

## MicroMAX (MX11)

A sophisticated door control module which uses proximity card reader technology to combine performance with flexibility and economy. The MicroMAX can be integrated with the majority of the Galaxy range of control systems or operate as a standalone module.

(NB: The MicroMAX is not compatible with the Galaxy 16 and 16*plus* panels)

**Features:**
- Compact size (68 x 41 x 15 mm) and stylish appearance
- Up to 999 users supported when used with Galaxy panel (except 16 and 16*plus*)
- Single panel function programmable to MicroMAX card
- Dual MicroMAX/keypad setting operation option
- 1 relay output
- 1 internal Piezoelectric buzzer output (fixed)
- 1 output for horn connection
- Completely sealed for indoor and outdoor use

## Telecom Module (E062)

- Optional add-on to the Galaxy control panel
- Intelligent and compact module, combining both digital communication capabilities and remote servicing facilities
- As a digital communicator (digicom), the Telecom Module transmits alarm signals using a number of signalling formats
    - Ademco/Scancom Fast Format
    - SIA (levels 1 to 3)
    - Contact ID
- As a remote servicing device the Telecom Module can be used in conjunction with Galaxy Gold software to remotely access the Galaxy control panel, allowing copying and overwriting of panel programming and on-line servicing

## RS232 Interface Module (E054)

- Provides full duplex serial communication between Galaxy control panels and PCs or printers
- 3 main functions:
    - control panel programming storage, copy and overwrite
    - interface with a PC
    - interface with a serial printer

## ISDN Module (A211)

The ISDN module provides an additional communication option for this range of Galaxy panels by supporting direct connection to the ISDN network.

## Ethernet Module (E080)

The Ethernet module provides an additional communication option for this range of Galaxy panels by supporting direct connection to any 10 Base T Ethernet LAN/WAN that supports the TCP/IP protocol.

## Smart PSU (P015)

- Integrates a 3 ampere power supply with a Galaxy RIO
- Provides a solution to power for additional peripherals fitted distant to the control panel

## Printer Interface Modules (A134/A161)

- Allow the Galaxy to be connected to a serial printer enabling the contents of the event log and the programming details of the system to be printed out

## Peripheral Order Information

| DESCRIPTION | PART NO |
|---|---|
| Mk7 remote keypad | CP027 |
| RIO module (8 zones/4 outputs) | CO72 |
| KeyProx ASK | CP028 |
| KeyProx ASK/HID | CP028H |
| RF RIO | CO76 |
| MicroMAX | MX11 |
| Telecom module | E062 |
| RS232 module | E054 |
| Ethernet module | E080 |
| ISDN module | A211 |
| Aluminium keypad | CP023-A |
| Brass keypad | CP023-B |
| MicroMAX card | YX0-0001 |
| MicroMAX fob | YX0-0004 |
| HID card | YX0-0005 |
| ASK card | YX0-0006 |
| 6 PIN DIN printer interface | A134 |
| 25 way sub D printer interface | A161 |
| 4 Way Relay | CO37 |