



# KEEP IN TOUCH

**Managing building access and security can be a challenge - but it needn't be a headache.** DigiGarde can significantly improve control over site traffic and monitor staff movement more effectively.

This compact biometric reader can cope with a hefty 9,000 user identity templates straight out of the box, and its industry-standard Wiegand output means it will connect to your existing access control panel with no problems. Time and attendance records can be kept easily in conjunction with TDSi's simple to use T&A package.

The sensor registers the fingerprint easily and the ergonomic guide ensures rapid recognition which saves time at the door.

Engineering support time for DigiGarde is minimal - there's so little that needs setting up. Expansion is easy too.

It can form the basis of a new system or can be augmented with TDSi's entire suite of products to provide the highest level of building security and accountability.

And, for unique peace of mind, it's designed and built by a British access control specialist.

**Access TDSi anytime** Call +44 (0) 1202 723 535 or visit [www.tdsi.co.uk](http://www.tdsi.co.uk) to find out more.

**DIGIGARDE**

For further information on Biometric readers from TDSi, please refer to P110

**TDSi**  
ACCESS EVERYWHERE



B.S.B. 3250/3251



C.D.V. DGID-W

## BIOMETRIC READERS

Code

### Biometric Fingerprint readers

#### ACT (ACCESS CONTROL TECHNOLOGY) (3 Year Warranty)

The BIO V-Pass FX reader is identification only. The BIO V-Prox readers are verification devices and require a PIN number or proximity card to identify the user templates in the database. The user templates are stored in the memory of the readers. Users are enrolled via PC and the software comes FOC with the device. The readers may be networked to simplify enrolment.

926-0813 **BIO V-PASS FX** Bioscrypt fingerprint only (Identification) or PIN and fingerprint (Verification) reader. Indoor only, 12V dc supply required

909-0249 **BIO V-PROX** Fingerprint and Proximity card reader for user verification (4000 user templates max). 12V dc supply required

905-0040 **ACTPro1060W** PIN pad to use in conjunction with the V-Flex unit (Wiegand)

The above readers require a controller that accepts either a Clock & Data or Wiegand output and a 12V dc supply

### B.S.B. PROGENY (Lifetime Warranty)

Token and secret knowledge based access control and identification systems can be open to abuse through the stealing of tokens or overlooking codes. Fingerprint readers provide a means of verifying the true identity of the person using the token or code. These readers fall in two main categories:

1. Readers that hold the fingerprint template in the reader memory (Template in Reader)
2. Readers that read the fingerprint template from the access control card. (Template on Card)

These fingerprint readers store the template in a database within the reader. These can then be shared between readers using a simple RS485 network. The 2090 may be used with the keyboard only for token free access control.

912-0028 **2090** Finger print reader/enrolment unit. Installed between reader and controller this unit compares finger prints of up to 5000 users. This reader/enrolment unit learns and distributes fingerprint templates to other 2090 or 2091 units via an RS485 network. Can be used with keyboard for token free access control. No P.C. required. Internal use only.

912-0027 **2091** Finger print reader/enrolment unit. Installed between reader and controller this unit compares finger prints of up to 5000 users. This reader/enrolment unit learns and distributes fingerprint templates to other 2091 or 2090 units via an RS485 network. No P.C. required. Internal use only.

#### \*BSB Lifetime Warranty

Any BSB manufactured products will be repaired, serviced or replaced free of charge if they develop a manufacturing fault as long as they are still available from BSB. (Subject to carriage charges).

The above readers are configured to operate on the BSB P1 & P3 range of controllers only. Please refer to pages 79 & 80 for a compatible controller.

### Biometric Finger Print Readers (Template on Card)

Readers that combine iCLASS and biometric technologies make iCLASS smart cards into portable databases that are well-suited for installations spanning multiple sites. Storing the template on the card simplifies system start-up and enables the support of unlimited populations. The biometric readers below incorporate iCLASS technology to provide security managers the peace of mind that comes with identifying the individual, not just the card. iCLASS compatible biometric readers provide a solution where only one person can use a given security token.

909-0329 **3250** iCLASS reader with fingerprint verification. Note: each installation would require at least one 3251 Enrolment unit to store the fingerprints onto the iCLASS cards. 16K2 or 16K16 cards must be used.

909-0330 **3251** Enrolment unit. This unit contains an iCLASS reader and a fingerprint reader for the purpose of recording the users fingerprint onto the iCLASS card.

The above readers are configured to operate on the BSB P1 & P3 range of controllers only. Please refer to pages 79 & 80 for a compatible controller.

### C.D.V. (UK) Ltd (1 Year Warranty)

#### Biometric Finger Print Readers

The DGID is a high performance fingerprint scanner using digital thermal technology. This technology, and the method of scanning the finger, results in a much faster and more reliable read than most optical devices. Supplied as a complete standalone unit to accommodate 1000 users, together with the software and interface within the package, the DGID also has a 26-bit wiegand output to allow connection to other equipment. The DGID employs identification rather than verification techniques, therefore it does not require the user to have a "pointing" device such as a code or card to enable the unit to identify the user and allow or deny access.

#### DGID Features:

- High Performance & Reliability
- Digital Technology
- Thermal ID Scanning
- Protected Algorithm
- Self Contained Unit, On-Line Capability
- 12V ac/dc
- Low Current Consumption (220mA)
- Lock Relay
- 0-99 Second Lock Release Time
- Exit Button Input
- IP53
- Temp -20 to +70°C
- Software Included
- 1 Year Warranty

927-0733 **DGID-W** Standalone digital thermal fingerprint scanner with additional Wiegand access control reader output

912-0247 **CONV-PC-LMED** DGID-W networking encoder, 1 required per networked system

912-0246 **CONV-LMED** DGID-W networking decoder, 1 required per DGID-W if networking facility required

909-0614 **CABAS** Stand alone virtual network secure biometric fingerprint & smart card reader & controller, includes additional Wiegand interface

909-0615 **PCMB** CABAS administration station software & hardware, includes USB biometric reader, smart card reader/writer and admin software

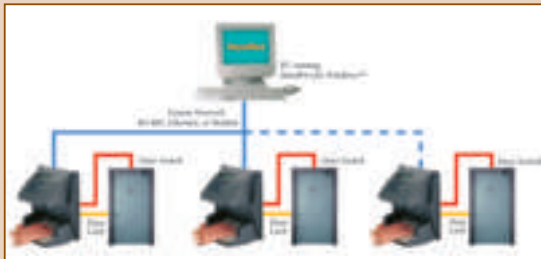
926-0898 **BV** Mifare smart card for CABAS

926-0899 **BMB** Mifare smart badge/tag for CABAS





HANDKEY II



HANDNET SYSTEM



FINGERKEY

## BIOMETRIC READERS (continued)

Code

### INGERSOLL RAND SECURITY TECHNOLOGIES - RECOGNITION SYSTEMS (1 Year warranty)

#### Handkey Hand Geometry readers

Handkey by Recognition Systems utilises field proven hand geometry technology that maps and verifies the size and shape of a persons hand in less than 1 second. Handkey simultaneously analyses more than 31,000 points and instantaneously records more than 90 separate measurements of an individuals hand including length, width, thickness and surface area. Perfect for applications large and small, Handkey is ideal for high volume, high throughput applications where error rates cannot be tolerated.

Standalone or fully integrated, systems can be as simple as one unit providing control to a secured door to hundreds of units networked together. The Handkey's card emulation mode makes adding to an existing access control system fast and easy. A variety of communication methods, including dial-up modem and ethernet allows you to design a system that's suitable for your facility.

In a Network, Handnet for Windows™ software links a virtually unlimited number of Handkey units into an integrated access control system. All alarms and transactions report in real time back to the central computer, making door and alarm monitoring easy and efficient. Activity, user and system reports are easily generated with the central computer handling all hand template management. Optional internal modem and ethernet cards allow remote site capabilities.

909-0306 **HKII** Handkey II base model, 512 users 12/24V dc (Upgradeable to 32,512 users)



909-0616 **HK-CR** Handkey CR, card emulation handreader for connection to third party access controller (no onboard monitor inputs or relay outputs), 512 users 12/24V dc (Upgradeable to 32,512 users)

909-0335 **ID3D-R** Handkey vandal proof model, 12/24V dc, 256 users as standard upgradeable to 27,904

909-0307 **ID3D-RW** Outdoor Handkey, 12/24V dc, 256 users as standard upgradeable to 27,904

912-0275 **EM-600** Memory expansion for ID3DR & ID3D-RW - up to 3,328 users



912-0273 **EM-801** User memory expansion for HKII and HK-CR to 9,728 users



912-0242 **DC-102-220** Data Converter for 4 wire systems RS-232 to RS-422 w/ 220V, 50 Hz power supply for HKII, HK-CR, ID3D-R and ID3D-RW

912-0414 **DC-104-220** Data Converter for 2 or 4 wire systems RS-232 to RS-485 or RS-422 w/ 220V, 50 Hz power supply, for Hankeys and Fingerkeys



927-1344 **MD-500** Internal 14.4 K Baud Dial-Up modem for HKII and HK-CR

927-1342 **TSNAMI** Tsunami waterproof enclosure for HKII and HK-CR

927-1196 **HURCNE** Hurricane outdoor enclosure for HKII and HK-CR

927-1343 **INT-HTR** Optional heater for enclosures

927-1345 **EN-100** Ethernet communications module (10Mb Ethernet, RJ45) for ID3DR & ID3D-RW

912-0279 **EN-200** Ethernet communications module (10Mb Ethernet, RJ45) for HKII and HK-CR

925-0198 **HN-2-T1** Handnet for Windows Tier One - < 5 readers

925-0199 **HN-2-T2** Handnet for Windows Tier Two - < 25 readers

925-0200 **HN-2-T3** Handnet for Windows Tier Three - > 26 readers

#### Fingerkey Fingerprint Terminal

The Fingerkey is a stylish, compact high quality finger reader terminal with onboard keypad and LCD display. It features a durable optical sensor enclosed within a tough polycarbonate housing complete with a high visibility LED bar and buzzer to provide visual and audible indications to the user. Integrated card reader (HID Prox, HID iClass & Mifare) and ethernet options. The Fingerkey has a configurable Wiegand or Clock & Data output to link to an access control panel.

909-0336 **DX2000** Fingerprint terminal, LCD, Keypad 250 users standard, upgradeable to 2000 users

909-0337 **DX2100** Fingerprint terminal, LCD, integrated HID Prox reader, Keypad, 250 users standard, upgradeable to 2000 users

909-0389 **DX2200** Fingerprint terminal, LCD, integrated HID iCLASS smartcard reader(13.56 MHz, ISO 15693), 250 users standard, upgradeable to 2000 users

912-0280 **FPE-100** Upgrade serial number to enable on-board ethernet communication function

912-0281 **FPM-500** Upgrade serial number to expand 250 users to 500 users

912-0282 **FPM-2000** Upgrade serial number to expand 250 users to 2000 users

#### PANASONIC (3 Year warranty)

##### Iris Recognition Reader

The BM-ET200 is a fast, high-precision iris reader from Panasonic. It provides all the benefits of iris recognition in one elegant, adaptable unit. The Panasonic BM-ET200 utilises the most accurate biometric method to provide unequalled identification and can be simply integrated into most access control systems.

909-0506 **BM-ET200** Fast Capture Iris Recognition Reader unit. Provides simple connection to new or existing access control systems via optional Wiegand Board (BM-ETA201). Requires 12V dc 1A PSU

909-0507 **BM-ES200** Administration Software for BM-ET200 Iris Reader (includes 25 Iris Codes)

909-0508 **BM-ETA201** Optional Wiegand Input and Output Board for BM-ET200 Iris Reader

909-0509 **BM-ETC202** Optional Colour CCTV Camera for BM-ET200 Iris Reader

925-0270 **BM-EU30100** Licence for 100 Iris Codes

925-0271 **BM-EU31000** Licence for 1000 Iris Codes

925-0272 **BM-EU33000** Licence for 3000 Iris Codes

925-0273 **BM-EU35000** Licence for 5000 Iris Codes

Biometric Readers continued overleaf



DIGIGARDE



PALMGARDE 5002-0460

## BIOMETRIC READERS (continued)

Code

### TDSi (3 Year Warranty)

#### Fingerprint

*This compact optical fingerprint reader from TDSi offers users a versatile biometric solution. Featuring an industry standard Wiegand output it is able to be connected to the majority of access control panels. It also has a large memory capacity allowing the storage of up to 9,000 user templates.*

##### Features

- High-speed matching algorithm
- Large memory capacity
- Ergonomic finger location guide
- Wiegand output allowing direct connection to access control panel
- High resolution 500 dpi optical fingerprint sensor
- +/- 90° finger presentation plane
- Sensor has a 15 kV electrostatic discharge resistance
- RS-232, half or full duplex RS-485 connection between readers and host PC

##### Benefits

- Fingerprint is captured and compared in a small amount of time, maximising user convenience
- Memory stores up to 9,000 user Templates
- Comfortable to use
- Versatile in that the reader can be connected to the majority of existing access control panels
- Reduces the problems when trying to enrol and scan smaller fingers
- Finger can be presented without problems over a wide angle
- Increased protection against the damaging effects of static
- Allows a choice of communication methods

NEW

909-0591 **5002-0450** DigiGarde Optical Fingerprint Reader

NEW

909-0592 **5002-0451** DigiGarde Optical Fingerprint Reader with MIFARE Reader

NEW

909-0593 **5012-0108** DigiGarde Optical Desktop Fingerprint Enrolment Reader

#### Palm Vein

*A stylish and fully featured biometric reader from TDSi utilising PalmSecure™, the very latest in innovative biometric technology from Fujitsu. The Palm Vein Access reader offers unprecedented levels of security without the traditional concerns and problems associated with other biometric technologies. Notably there is no requirement to physically touch the reader making this particularly suitable for healthcare applications where hygiene is of paramount importance. All of the main industry standard reader interfaces are supported allowing connection to the majority of access control units, making this reader truly universal.*

##### Features

- True contact-free biometric technology option
- Removable hand guide
- Industry standard reader interfaces
- Multiple template storage options
- Stand-alone mode
- Status LEDs
- Tamper switch
- Full diagnostics feature

##### Benefits

- Removes the need to physically touch the reader overcoming concerns associated with hygiene
- Allows easy cleaning of the product
- Allows the reader to be connected to the majority of access control panels
- Caters for all data protection storage requirements
- Provides a complete easy-to install and operate solution for access control on a single door
- Unambiguous audible indication of reader status and operation
- Maximises security by rendering the reader useless in the event of un-authorised removal
- Reader continually performs system checks to ensure optimal performance is maintained

NEW

909-0587 **5002-0460** PalmGarde Reader

NEW

909-0588 **5002-0461** PalmGarde Reader Hand Guide

NEW

909-0589 **5002-0462** PalmGarde Reader Wall Bracket

NEW

909-0590 **5002-0463** PalmGarde Enrolment Reader

Code

## VIDEX (1 Year Warranty)

### BioAccess Fingerprint Readers

The BioAccess Thermal fingerprint reader is available in 2 versions - 900 or 3000 users with 3 fingerprint templates per user. These readers are programmed either by a series of pushbuttons located on the rear of the module or, with the optional software via a PC. BioAccess modules can be integrated into 4000 series audio and video systems.

909-0478	<b>4821 (4821)</b>	900 user module with Stainless Steel faceplate. Requires suitable backbox
909-0529	<b>4823 (4823)</b>	3000 user module with Stainless Steel faceplate. Requires suitable backbox
925-0364	<b>4827 (4827)</b>	Software kit for above readers
916-0587	<b>4851 (4851)</b>	Flush backbox with gunmetal housing
915-1341	<b>4881 (4881)</b>	Surface backbox gunmetal grey

Backboxes in other finishes are available. Contact Technical Sales Support for details.



VIDEX 4821 & 4881



READER OPTIONS GCK-01

## GUARD TOUR SYSTEMS

### READER OPTIONS

Make your Guard Patrol system more efficient and highly effective in almost no time with Reader Option's GCK-01 DigiTool™ Guard Patrol Kit. The kit includes all the necessary equipment that you need to begin. All you need is a PC with an available COM port. The GCK-01 kit includes DigiTool™ Lite Report software allowing you to manage your Guard Patrol system, download patrol data from the GC-01 Reader and create reports for Patrol Analysis and Personnel Management. Raw data can also be exported to Excel for more advanced reporting requirements.

**Features:**

Complete Guard Patrol kit to begin operations immediately after quick configuration.  
 Cost effective and completely upgradeable as your Guard Patrol System grows.

**GCK-01 Components:**

- One GC-01 Data Reader.
- One GC-02 Downloader plus UK ac/dc Adapter.
- One GA-06 Leather Holster for GC-01.
- One GA-02 Event Book.
- Twelve GA-01 Location Tags.
- One GA-05 9-pin Serial Cable.
- DigiTool™ Lite Reports software.

The advanced design of the DigiTool™ Guard Patrol system allows for complete upgradeability. Additional GC-01 Readers and GA-01B Location tags can be added to suit your requirements without incurring any additional software licence fees.

955-0001	<b>GC-01</b>	Digitool DAU Data Reader, Black, Complete with rechargeable battery
955-0002	<b>GC-02</b>	Digitool Base Station - Docking station for GC-01 to allow connection to PC. Complete with built in charger
955-0003	<b>GC-03</b>	Additional charger for GC-01
955-0004	<b>GA-01B</b>	Location tag, black
955-0005	<b>GA-02</b>	Event book with 10 Dallas buttons and mounting system. Synthetic PVC leather. Rugged construction
955-0006	<b>GA-06</b>	Belt holster for GC-01
955-0007	<b>GS-01</b>	Digitool Report - Standard software package, comprises CD-ROM and instruction manual
955-0008	<b>GCK-01</b>	Standard kit - comprises of 1x GC-01 Digitool DAU reader, 1x GC-02 base unit and charger, 12x GA-01B location tags, 1x GA-02 event book, 1x GA-05 9 pin interface cable, 1x GA-06 belt holster, GS-01 standard software and instruction manual