

# INDEX



## Biometric Systems

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# Biometric Systems

## sekey TOCAhome - I Relay I20-001

Function : Stand alone fingerprint reader  
 Operating Voltage : 9 - 12V AC / DC  
 Current Consumption : ~350 mA  
 Relays : 1 x 250V AC 5 amp - dry contact  
 Programming Mode : Local via control panel  
 Reader Type : Atmel (thermal swipe)  
 Storage Capacity : 99 templates  
 Response Time : <1 second  
 Biometric Figures : F.A.R. 1:1000000  
 F.R.R. 14:1000  
 Operating Temperature : -20°C to 70°C  
 IP Rating : IP43 scanner  
 IP54 control panel

### CONNECTIVITY

■ 4 Wires (Reader) ■ 2 Wires (Power) ■ 2 Wires (Lock)

### FEATURES

- Can be used for internal or external applications.
- No need for pin codes or proximity devices.
- Can operate any type of electronic locking device.
- Adaptable to AV entry systems and intruder alarms
- Individual enrolment and deletion of templates.

LI4462



	Height	Width	Depth
Control Panel	140	128	48
External Reader	60	95	55

### PRODUCT CODES

- LI4462 - I20-001 TOCAhome  
 Special - Reader also available in white (I20-194)  
 Special - Also available as a 3 relay stand alone version (I20-002) Anthracite (I20-195) White

## sekey TOCAIntegra - I Relay I20-411 (Flush Mount)

Function : Stand alone fingerprint reader  
 Operating Voltage : 9 - 12V AC / DC  
 Current Consumption : ~350 mA  
 Relays : 1 x 250V AC 5 amp - dry contact  
 Programming Mode : Local via control panel  
 Reader Type : Atmel (thermal)  
 Storage Capacity : 99 Templates  
 Response Time : <1 second  
 Biometric Figures : F.A.R. 1:1000000  
 F.R.R. 14:1000  
 Operating temperature : -20°C to 70°C  
 IP Rating : IP43 scanner  
 IP54 control panel


### CONNECTIVITY

■ 4 Wires (Reader) ■ 2 Wires (Power) ■ 2 Wires (Lock)

### FEATURES

- Can be used for internal or external applications.
- No need for pin codes or proximity devices.
- Can operate any type of electronic locking device.
- Adaptable to AV entry systems and intruder alarms.
- Individual enrolment and deletion of templates.
- Ideal for smart architectural custom built applications.

LI5648



	Height	Width	Depth
Control Panel	140	128	48
External Reader	90	45	20

### PRODUCT CODES

- LI5648 - I20-411 TOCA Integra  
 Special - Cover plate also available in gold 100-069

## sekey TOCAhome Integra 700-033 (Mortice Mount Controller)

Function : Stand alone fingerprint reader  
 Operating Voltage : 8 - 24V AC / DC  
 Current Consumption : ~350 mA  
 Relays : 1 x 250V AC 5 amp - dry contact  
 Programming mode : Local via control panel  
 Reader Type : Atmel (thermal)  
 Storage Capacity : 99 templates  
 Response Time : <1 Second  
 Biometric Figures : F.A.R. 1:1000000  
 F.R.R. 14:1000  
 Operating Temperature : -40°C to +85°C  
 IP Rating : IP43 scanner  
 IP41 control panel

### CONNECTIVITY

■ 4 Wires (Reader) ■ 2 Wires (Power) ■ 2 Wires (Lock)

### FEATURES

- Can be used for internal or external applications.
- No need for pin codes or proximity devices.
- Can operate any type of electronic locking device.
- Adaptable to AV entry systems and intruder alarms
- Individual enrolment and deletion of templates.
- Ideal for smart architectural custom built applications.
- Complete plug and play kit with custom fit plugs and wiring.

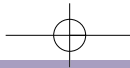
LI6407



	Height	Width	Depth
Control Panel	272	24	29
External Reader	90	45	20

### PRODUCT CODES

- LI6407 - 700-033 Integra Door Mount Controller Kit



# Biometric Systems



## TOCAnet M - 3 Relay 120-270

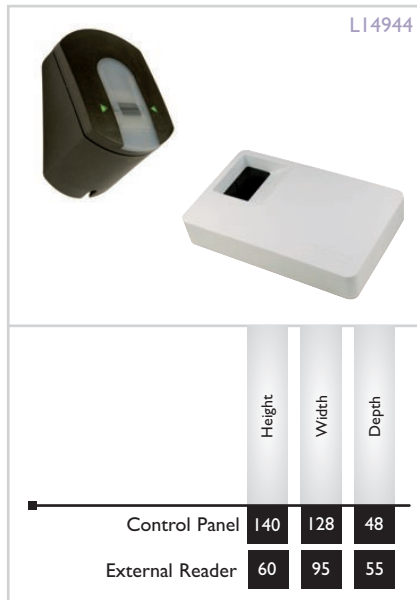
- Function : Networked fingerprint reader
- Operating Voltage : 9 - 12V AC / DC
- Current consumption : ~350 mA
- Relays : 3 x 250V AC 5 amp - dry contact
- Programming mode : Via desktop enrolment scanner
- Reader Type : Atmel (thermal swipe)
- Storage Capacity : 200 templates
- Response Time : <1 second
- Biometric Figures : F.A.R. 1:1000000  
F.R.R. 14:1000
- Operating Temperature : -20°C to 70°C
- IP Rating : IP43 Scanner  
IP54 control panel

### CONNECTIVITY

RS 485 / TCP / IP

### FEATURES

- Includes management software.
- Basic time & attendance management
- Dual authentication mode.
- Fully networked over WAN, LAN, VPN.
- Central desktop enrolment via Toca Bit.



### PRODUCT CODES

- L14944 - 120-270 TOCAnet
- Special - Reader also available in white (120-271)
- Special - TOCAnet - L also available up to 2000 users (120-543)

### ASSOCIATED PRODUCTS

- L14945 - 100-013 TOCA bit
- L14946 - 100-340 LAN converter



## TOCAbit 100-013

- Function : Desktop enrolment
- Software Compatible : Windows 98 to Windows XP PRO
- Reader Type : Atmel (thermal swipe)

### CONNECTIVITY

USB I.I Cable (3 metres)

### FEATURES

- Convenient easy local enrolment.
- Comes with basic PC logon software.
- Replaces Windows password by fingerprint swipe.
- No more forgotten pins or compromised security.



### PRODUCT CODES

- L14945 - 100-013 TOCAbit
- Special - Reader also available in white



## Lan Converter 100-340

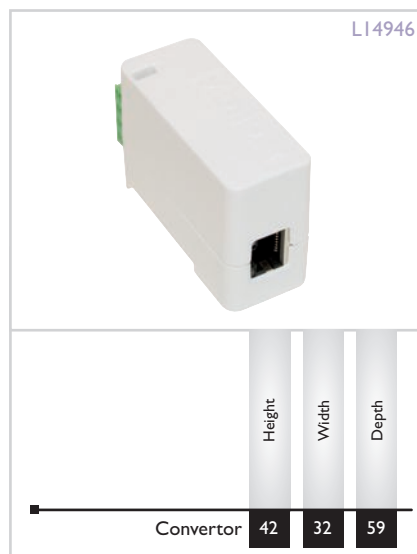
- Function : RS485 - TCP/IP converter

### CONNECTIVITY

RS485 LAN connector

### FEATURES

- Accommodates up to 4 TOCAnet units.
- Connects Ekey TOCAnet control panel to the PC.
- Light and compact.

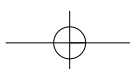


### PRODUCT CODES

- L14946 - 100-340 Ekey LAN Converter

### ASSOCIATED PRODUCTS

- L14944 - TOCAnet 3 Relay 120-270



# Biometric Systems

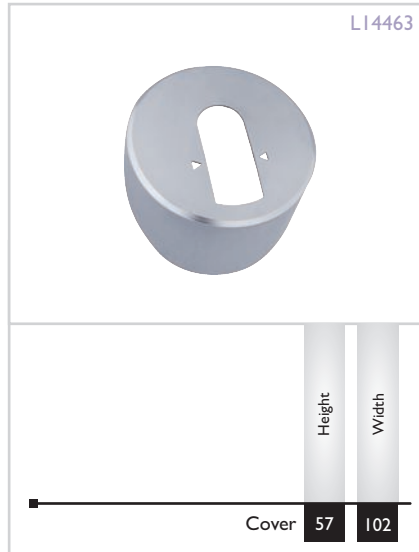


## Stainless Steel Surface Cover 100-231

Function : Cosmetic

### FEATURES

- Clip on cosmetic cover.
- Can be bio coated for use in hygiene environments such as laboratories or medical facilities.
- Also available in 24 carat gold plated finish.



### PRODUCT CODES

L14463 - 100-231 Stainless Steel Cover

### ASSOCIATED PRODUCTS

L14462 - TOCAhome 1 Relay 120-001  
L14944 - TOCAnet 3 Relay 120-270

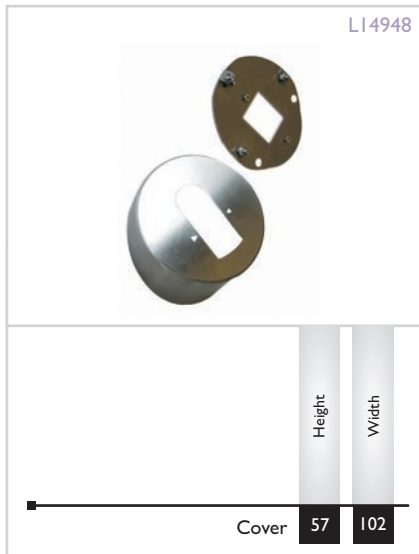


## Vandal Resistant Surface Mount Stainless Steel Cover (Bolt Through) 100-308

Function : Vandal resistance.

### FEATURES

- Quality stainless steel.
- Bolt through cosmetic cover.
- Can be bio coated for use in hygiene environments such as laboratories or medical facilities.



### PRODUCT CODES

L14948 - 100-308 Stainless Steel Vandal Resistant Cover

### ASSOCIATED PRODUCTS

L14462 - TOCAhome 1 Relay 120-001  
L14944 - TOCAnet 3 Relay 120-270



## Vandal Resistant Stainless Steel Housing 100-307

Function : Flush mounted

### FEATURES

- Rugged stainless steel.
- Architectural look.
- Provides greater durability and resistance against abuse.

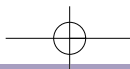


### PRODUCT CODES

L14947 - 100-307 Flush Mounted Vandal Resistant Housing

### ASSOCIATED PRODUCTS

L14462 - TOCAhome 1 Relay 120-001  
L14944 - TOCAnet 3 Relay 120-270



# Biometric Systems



## Surface Mount Stainless Steel Rain Shield 100-306

Function : Weather protection

### FEATURES

- Cover protects scanner unit from rain.
- Surface mount stainless steel.



### PRODUCT CODES

L15647 - 100-306 Surface Rain Shield

### ASSOCIATED PRODUCTS

L14462 - TOCAhome 1 Relay 120-001  
L14944 - TOCAnet 3 Relay 120-270



## Ekey TOCAhome 3 Demonstration Unit 100-461

Function : Stand alone fingerprint reader demonstration unit

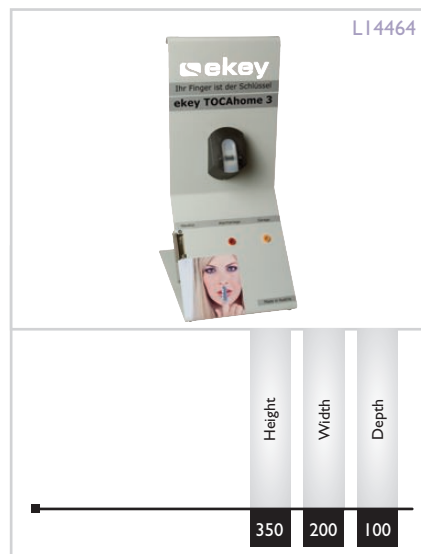
Operating Voltage : 9 - 12V AC / DC  
Current Consumption : ~350 mA  
Relays : 3 x 250V AC 5 amp - dry contact  
Programming mode : Local via control panel (Secure code)  
Reader Type : Atmel (thermal)  
Storage Capacity : 99 templates  
Response Time : <1 second  
Biometric Figures : F.A.R. 1:1000000  
F.R.R. 14:1000  
Operating Temperature : -20°C to 70°C  
IP Rating : IP43 scanner  
IP54 control panel

### CONNECTIVITY

- 4 Wires (Reader) ■ 2 Wires (Power) ■ 2 Wires (Lock)

### FEATURES

- Fully operational portable demonstration unit.
- Includes AC power supply and AC Release.



### PRODUCT CODES

L14464 - 100-461 Demo Unit



## BIO - 13 Kit - Surface Mount Reader

Function : Wireless fingerprint reader  
Operating Voltage : 4 x AA batteries (6V DC)  
Current Consumption : 87 mA  
Relays : 3 @ 1 amp rating  
Programming Mode : Local via master finger  
Reader Type : UPEK capacitive touchchip  
Storage Capacity : 30 templates  
Response Time : 1 second  
Biometric Figures : F.A.R. : 0.01%  
F.R.R. : 1%  
Operating Temperature : -10°C to +40°C  
IP Rating : IP53 reader  
RF Transmission Range : Minimum 30m environment dependent

### CONNECTIVITY

- 433.92 MHZ transmission keylock code hopping technology.
- Compatible with all MicroLatch standard RF receivers.

### FEATURES

- Simple to install and enrol.
- Ideal product for residential and light commercial applications.
- No wires between reader and controller.
- Duress finger facility.

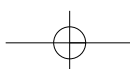


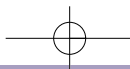
### PRODUCT CODES

L15003 - Bio - 13 Kit

### ASSOCIATED PRODUCTS

L15008 - BIO 13 Reader  
L15009 - BIO 14 Reader  
L15010 - BIO 15 Reader  
L15013 - BIO FOB II - 13W 4 button  
L15018 - Fob 2 button metal STD  
L15019 - 4 Button metal STD  
L15020 - FOB-2SH-1W  
L15021 - FOB-4SH-1W





# Biometric Systems

## **MicroLatch** BIO - 14 Kit - Surface Mount Reader

- Function : Wireless fingerprint reader
- Operating Voltage : 6V DC lithium (CR123 x 2)
- Current Consumption : 87 mA
- Programming Mode : Local via master finger
- Relays : 3 @ 1 Amp rating
- Reader Type : UPEK capacitive touchchip
- Storage Capacity : 30 templates
- Response Time : 1 second
- Biometric Figures : F.A.R. : 0.01%
- F.R.R. : 1%
- Operating Temperature : -10°C to +40°C
- IP Rating : IP53 reader
- RF Transmission Range : Minimum 30m environment dependent

### CONNECTIVITY

- 433.92 MHZ transmission keylock code hopping technology.
- Compatible with all MicroLatch standard RF receivers.

### FEATURES

- Simple to install and enrol.
- Ideal product for residential and light commercial applications.
- No wires between reader and controller.
- Duress finger facility.

L15004 & L15042



	Height	Width	Depth
Control Panel	35	84	129
External Reader	130	49	42

### PRODUCT CODES

- L15004 - Bio - 14 Kit (Silver)
- L15042 - Bio - 14 Kit (Black)

### ASSOCIATED PRODUCTS

- L15008 - BIO 13 Reader
- L15009 - BIO 14 Reader
- L15010 - BIO 15 Reader
- L15013 - BIO FOB II - 13W 4 button
- L15018 - Fob 2 button metal STD
- L15019 - 4 Button metal STD
- L15020 - FOB-2SH-1W
- L15021 - FOB-4SH-1W

## **MicroLatch** BIO - 15 Kit - Flush Mount Reader (Chrome)

- Function : Wireless fingerprint reader
- Operating Voltage : 6V DC lithium (CR123A)
- Current Consumption : 87 mA
- Relays : 3 @ 1 amp rating
- Programming Mode : Local via master finger
- Reader Type : UPEK capacitive touchchip
- Storage Capacity : 30 templates
- Response Time : 1 second
- Biometric Figures : F.A.R. : 0.01%
- F.R.R. : 1%
- Operating Temperature : -10°C to +40°C
- IP Rating : IP53 reader
- RF Transmission Range : Minimum 30m environment dependent

### CONNECTIVITY

- 433.92 MHZ transmission keylock code hopping technology.
- Compatible with all MicroLatch standard RF receivers.

### FEATURES

- Simple to install and enrol.
- Ideal product for residential and light commercial applications.
- No wires between reader and controller.
- Can also be surface mounted on to a standard 85 x 85mm surface pattress.
- Duress finger facility.

L15005



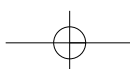
	Height	Width	Depth
Control Panel	35	84	129
External Reader	85	85	30

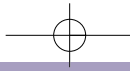
### PRODUCT CODES

- L15005 - Bio - 15 Kit

### ASSOCIATED PRODUCTS

- L15008 - BIO 13 Reader
- L15009 - BIO 14 Reader
- L15010 - BIO 15 Reader
- L15013 - BIO FOB II - 13W 4 button
- L15018 - Fob 2 button metal STD
- L15019 - 4 Button metal STD
- L15020 - FOB-2SH-1W
- L15021 - FOB-4SH-1W





# Biometric Systems

## **MicroLatch** C.C.F. - Combination Card & Finger (26 - 48 Bit Wiegand / Clock & Data)

Function : Integrated fingerprint reader  
 Communication Protocol : 26 - 48 bit Wiegand or Clock & data  
 Operating Voltage : 8 - 18V DC  
 Current Consumption : 87 mA  
 Reader Type : UPEK capacitive touchchip  
 Storage Capacity : 4000+ template  
 Programming Mode : Local - automatic or supervised  
 Response Time : 1 second  
 Biometric Figures : F.A.R. : 0.01%  
 F.R.R. : 1%  
 Operating Temperature : -10°C to +40°C  
 IP Rating : IP53

### CONNECTIVITY

- 2 Wires (Data input from proximity reader)
- 2 Wires (Data output to proximity reader)
- 2 Wires (DC voltage)

### FEATURES

- Connects to existing Wiegand or Clock & Data proximity readers or devices and uses existing cards or fobs to match a fingerprint.
- No need for software programming, interfacing or SDK's.
- CCF does not interfere with existing installation - no need for administration (valid card and a user finger only).
- Enrolment is done on first use on location.
- Existing access control software remains the main access management tool as before.
- CCF simply enhances the security of existing card or fobs by matching them to a user fingerprint template.
- Ideal for existing card based Time and Attendance systems as users will no longer be able to exchange cards or fobs.



L15678  
L16099

### PRODUCT CODES

L15678 - C.C.F. I5 - Wiegand  
 L16099 - C.C.F. I5 - Clock & Data

### ASSOCIATED PRODUCTS

**Paxton Net2 and Switch2 systems or any Wiegand or clock & data access control system**  
 L10099 - Paxton Net2 Control Unit  
 L11578 - Paxton Switch2 Control Unit  
 L15750 - Paxton Wiegand Reader P50

## **MicroLatch** Individual Wireless Readers

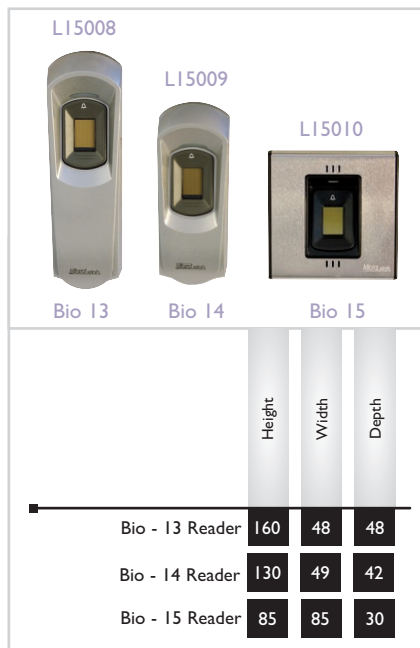
Function : Additional readers  
 Operating Voltage : 6V DC (2 x lithium CR123A)  
 Current Consumption : 87mA  
 Reader Type : UPEK capacitive touchchip  
 Storage Capacity : 30 templates  
 Programming Mode : Local via master finger  
 Response Time : 1 second  
 Biometric Figures : F.A.R. : 0.01%  
 F.R.R. : 1%  
 Operating Temperature : -10°C to +40°C  
 IP Rating : IP53  
 RF Transmission Range : Minimum 30m environment dependent

### CONNECTIVITY

- 433.92 MHZ transmission keylock code hopping technology.
- Compatible with all MicroLatch standard RF receivers.

### FEATURES

- Simple to enrol and install.
- Ideal product for residential and light commercial applications.
- No wires between reader and controller.
- Duress finger facility.
- Multiple readers per controller.



L15008  
L15009  
L15010

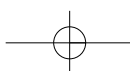
Bio 13 Bio 14 Bio 15

### PRODUCT CODES

L15008 - Bio 13 (Cream)  
 L15009 - Bio 14 (Silver)  
 L15043 - Bio 14 (Black)  
 L15010 - Bio 15 (Chrome)

### ASSOCIATED PRODUCTS

L15003 - Bio - 13 Reader Kit (Cream)  
 L15004 - Bio - 14 Reader Kit (Silver)  
 L15042 - Bio - 14 Reader Kit (Black)  
 L15005 - Bio - 15 Reader Kit (Chrome)  
 L15014 - Rec - 14 Receiver (4 relay)  
 L15006 - Rec - 18 Receiver (3 relay)  
 L15015 - Rec - 28 Receiver (2 relay)  
 L15679 - BLI - 21 Remote Blister Pack



# Biometric Systems

## **MicroLatch Biofob II - Biometric Remote**

- Operating Voltage : 3.7 - 6V DC
- Charging Voltage : 12V DC
- Current Consumption : 0 mA ~ 80 mA
- Battery Type : CR2032 re-chargeable lithium cell x 2
- Low Battery Warning : Yes (red LED @4.5V)
- Operating Frequency : 433.92 Mhz
- RF Transmission Range : 100 metres line of sight
- Transmission Security : Rolling code Keeloq technology
- Transmission Modulation : AM ASK
- Wiegand Encoding : 26 - 48 bit user id encrypted
- Number of Channels : 4 (1 channel per button)
- Storage Capacity : 3 templates
- Weight with Battery : 40g
- Case Construction : Polycarbonate
- Controller Required : Fully compatible with all Microlatch receivers/ controllers

### BIOMETRIC DATA

- Sensor type : UPEK Touchchip CMOS (active capacitive pixel sensing)
- Sensor Life : 1 Million reads
- Image Resolution : 500dpi
- False Accept Rate : 0.01%
- False Reject Rate : 1%
- Operating Cycle : Approximately 3 seconds

### FEATURES

- Completely wireless biometric fingerprint keyfobs.
- Ultimate in remote control security.
- In case of loss or theft, will only operate with original owner.
- Offers a variety of applications from access control to motor vehicle entry via standard RF systems.
- Send out encrypted data requesting access on the particular channel.
- Stylish metal construction.
- Various proximity tokens available upon request (HID, MIFARE, EM, ICLASS).



### PRODUCT CODES

L15013 - BIO FOB II - 13W 4 button

### ASSOCIATED PRODUCTS

- L15003 - BIO13 Kit
- L15004 - BIO14 Kit
- L15005 - BIO15 Kit
- L15006 - REC-18
- L15015 - REC-28
- L15014 - REC-14
- L15007 - REC-20
- L15012 - REC-21
- L15679 - BLI 21

## **Kit Fingerprint Reader**

- Function : Stand alone fingerprint readers & keypad
- Communication protocol : Stand alone RB - 20 controller
- Operating Voltage : 9V - 12V DC
- Current consumption : 250mA - 500mA
- Outputs : 1 x 10 amp relay 1 x 250mA transistor open collector
- Programming method : Local via keypad
- Reader type : Atmel (thermal swipe)
- Storage capacity Reader : 947 fingerprint templates
- Storage capacity Keypad : 1000 pin codes
- Response time : < 1 second
- Biometric figures : F.A.R. 1X10 (-6)  
F.R.R. 1X10 (-6)
- Operating temperature : -20C to +60C
- IP Rating : IP 65

### FEATURES

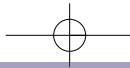
- Robust stainless steel reader
- User friendly operation and programming.
- Ideal for commercial and some industrial applications.
- Unique Portable mini USB drive for template storage.
- High degree of accuracy.
- Unique identification algorithm.
- Keypads available in various colours (metallic silver, metallic blue, metallic green, metallic burgundy).
- Operates at extreme temperatures.
- Swiping eliminates the risk of fingerprint impression on the sensor.



### PRODUCT CODES

L15739 - Bio 'X' Fingerprint Reader

For Network Option:  
Special Order BIOXR (RB 30 controller)



# Biometric Systems

## xpr BioSet<sup>®</sup> Fingerprint Reader

- Function : Stand alone fingerprint reader
- Communication Protocol : Stand alone (4 wires)
- Operating Voltage : 9V - 12V DC
- Current Consumption : 250mA - 500mA
- Outputs : 1 x 2 amp relay 1x 250mA transistor open collector
- Programming method : Local via keypad
- Reader Type : Atmel (thermal)
- Storage capacity Reader : 950 fingerprint templates
- Response Time : < 1 second
- Biometric Figures : F.A.R. 1X10 (-6)  
F.R.R. 1X10 (-6)
- Operating Temperature : -20C to +60C
- IP Rating : IP 65

### FEATURES

- User friendly operation and programming.
- Ideal for commercial and residential applications.
- High degree of accuracy.
- Unique identification algorithm.
- Can integrate into an existing system.
- Swiping eliminates the risk of fingerprint impression on the sensor.
- Various multi colour covers available for reader.



### PRODUCT CODES

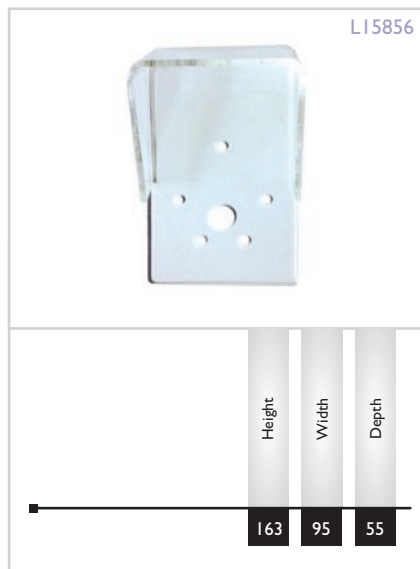
L15740 - BioSet Fingerprint Reader  
For Network Option order RB30 controller

## xpr ATP Rain Shield Rain Shield

Function : A strong transparent plastic rain shield to protect the Bio 'X' thermal sensor.

### FEATURES

- Acrylic transparent protection (an optional accessory for the BioX).
- Protects the Biometric sensor from direct sunlight (ultra-violet rays) & rain (falling at a 60° angle).



### PRODUCT CODES

L15856 - ATP Rain Shield

