
ACCESS CONTROL

STAND ALONE & PC BASED SYSTEMS



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Our aim is to place Videx at the forefront of our chosen markets and to achieve significant market share through innovation, quality, service, competitive pricing and exceptional customer service.

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PORTAL PLUS PC BASED SYSTEM

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KEY

| | | | |
|---|---|---|---|
|  |  |  |  |
| STANDALONE | MASTER SYSTEM | CODIX PROTOCOL | MIFARE |
|  |  |  |  |
| NETWORK | PROXIMITY | BIOMETRY | EXTERNAL USE |
|  |  | | |
| VANDAL RESISTANT | WIEGAND | | |

STAND ALONE RANGE

SURFACE & FLUSH KEYPADS



| | EX5 | EX7 |
|------------------------------------|--|--|
| Relays | 2 Relays (1 x 10A & 1 x 2A) | 4 Relays (4 x 2A) |
| Master Code (programming) | 1 | 1 |
| User Codes | 99 | 99 |
| Programmable relay times | Latching or timed from 1 to 99 seconds | Latching or timed from 1 to 99 seconds |
| Exit button inputs | 2 | 2 |
| Memory | EEPROM (Keep programming safe even in case of power-cut) | EEPROM (Keep programming safe even in case of power-cut) |
| Green LED | Potential Free | Potential Free |
| Red LED | Potential Free | Potential Free |
| Orange LED | Programming Status | Programming Status |
| Keypad lock out feature | For 30 seconds with beep noise after 8 consecutive incorrect codes | For 30 seconds with beep noise after 8 consecutive incorrect codes |
| Buzzer | 1 | 1 |
| Antitamper | When Opened or Dismantled | When Opened or Dismantled |
| Consumption | 10mA in stand-by, 60mA in use | 26mA in stand-by, 140mA max. |
| Power | Automatic power input selection 12/24V AC/DC | Automatic power input selection 12/24V AC/DC |
| IP Rating | 65 | 65 |
| Codix Bus | 3 wire bus (+/-/data) allowing the connection of up to 3 remote readers over a maximum distance of 50m | 3 wire bus (+/-/data) allowing the connection of up to 3 remote readers over a maximum distance of 50m |
| Codix remote reader options | Keypads (LCS, INOX, VKP) - Proximity (LCSP-EM/MF, MINI-C, VPROX2-C, MTPX-C) | Keypads (LCS, INOX, VKP) - Proximity (LCSP-EM/MF, MINI-C, VPROX2-C, MTPX-C) |

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS



| Ref. | EX5-TP | EX5-TM | EX7-TP | EX7-TM | 43B | 52B | 52G | 72C | 102A | 102B | 102G |
|------------------|----------------------------|-----------------------|----------------------------|-----------------------|---------------|-------------------------------|-------------------------|-------------------------------------|---------------------------|-------------------|------------------|
| Features | Backlit Polycarbonate keys | Backlit Metallic keys | Backlit Polycarbonate keys | Backlit Metallic keys | ABS, Grey | Moulded aluminium, Grey/White | Moulded aluminium, Grey | Moulded aluminium, Grey/Matt Chrome | Steel A316, Brushed steel | Steel A316, White | Steel A316, Grey |
| Dim. (mm) | - | | - | | 119.5x83.5x40 | 120x90x43.5 | | | 140x105x39 | | |

COMPLETE KEYPADS WITH HOUSING



| Backlit Metallic keys | EX5M-43B/EX7M-43B | EX5M-72C/EX7M-72C | EX5M-52B/EX7M-52B | EX5M-52G/EX7M-52G | EX5M-102A/EX7M-102A | EX5M-102B/EX7M-102B | EX5M-102G/EX7M-102G |
|-----------------------------------|-------------------|-------------------------------------|-------------------------------|-------------------------|--------------------------|---------------------|---------------------|
| Features | ABS, Grey | Moulded aluminium, Grey/Matt Chrome | Moulded aluminium, Grey/White | Moulded aluminium, Grey | Steel A316 Brushed steel | Steel A316 White | Steel A316 Grey |
| Surface mounting | • | • | • | • | • | • | • |
| Flush mounting | | | | | | | |
| Backlit Polycarbonate keys | EX5-43B / EX7-43B | EX5-72C / EX7-72C | EX5-52B / EX7-52B | EX5-52G / EX7-52G | EX5-102A / EX7-102A | EX5-102B / EX7-102B | EX5-102G / EX7-102G |



VANDAL RESISTANT, MINI & SLIMLINE KEYPADS



Small metal keypad with backlit metal keys

MTPAD

| Feature | Detail | Feature | Detail |
|---------------------------|--|-----------------|---|
| Mounting | Surface | Green LED | Relay status |
| Housing | Moulded Aluminium | Red LED | Transistor status |
| Keys | Backlit Metallic | Orange LED | Programming status |
| Resin potted electronics | Yes (with 3m cable) | Keypad lock out | 30sec with beep noise after 8 consecutive incorrect codes |
| Relays | 1 Relay (2A) & 1 Transistor (250mA) | Buzzer | 1 |
| Master Code (programming) | 1 | Antitamper | When opened or dismantled |
| User Codes | 99 | Consumption | 30mA in stand-by, Max 100mA |
| Relay time | Latching or timed from 1 to 99 seconds | Power | Automatic power select 12-24V DC; 15-24V AC |
| Push to exit button input | 1 | IP Rating | 65 |
| Memory | EEPROM (Keep programming safe even in case of power-cut) | Dimensions (mm) | 92x51x25 |



COLOUR RANGE Available in silver (MTPADS), charcoal (MTPADC), blue (MTPADB), green (MTPADG), red (MTPADR) and white (MTPADW)



Standalone slimline vandal resistant Keypads

INOX99 AND VKP99


| Feature | Detail | Feature | Detail |
|----------------------------|--|-----------------------------|--|
| Mounting | Surface | Red LED | Transistor status |
| Resin potted electronics | Yes | Orange LED | Programming Status |
| Relays | 1 Relay (2A) & 1 Transistor (250mA) | Keypad lock out | 30sec with beep noise after 8 consecutive incorrect codes |
| Master Code (programming): | 1 | Buzzer | 1 |
| User Codes | 99 | Antitamper | When opened or dismantled |
| Relay time | Latching or timed from 1 to 99 seconds | Consumption | 10mA in stand-by, 60mA in use |
| Push to exit button input | 1 (for 2A relay) | Power | Automatic power input selection 12/24V AC/DC |
| Memory | EEPROM (Keep programming safe even in case of power-cut) | Codix Bus | 3 wire bus (+/-/data) allowing the connection of up to 3 remote readers over a maximum distance of 50m |
| Green LED | Relay status | Codix remote reader options | Keypads (LCS, INOX, VKP) - Proximity (LCSP-EM/MF, MINI-C, VPROX2-C, MTPXS-C) |



| Ref. | INOX99-C | INOX99-B | INOX99-G | VKP99 |
|----------|---|--|--|---|
| Features | Moulded aluminium Grey/Chrome Matt Backlit Metallic Keys IP 67 149.5x50.5x48 (mm) | Moulded aluminium White Backlit Metallic Keys IP 67 149.5x50.5x48 (mm) | Moulded aluminium Dark Grey Backlit Metallic Keys IP 67 149.5x50.5x48 (mm) | Moulded aluminium Chrome Matt Metallic Keys IP 65 116x86x22 |

FLUSH SINGLE GANG KEYPADS





Small flush mount keypad with backlit metal keys

DINPAD







| Feature | Detail | Feature | Detail |
|----------------------------------|--|------------------------|--|
| Mounting | UK electrical flush back box | Red LED | Transistor status |
| Housing | ABS | Orange LED | Programming Status |
| Keys | Backlit Metallic | Keypad lock out | For 30 seconds with beep after 8 consecutive incorrect codes |
| Relays | 2 Relays (3A /24V DC, 230V AC) | Buzzer | 1 |
| Master Code (programming) | 1 | Antitamper | When Opened or Dismantled |
| User Codes | 99 | Consumption | Max. 120mA |
| Relay time | Latching or timed from 1 to 99 seconds | Power | Automatic power input selection 12-24V DC; 15-24V AC |
| Exit Push Buttons | 1 | IP Rating | 40 |
| Memory | EEPROM (Keep programming safe even in case of power-cut) | Dimensions (mm) | 85x85x11 |
| Green LED | Relay status | | |



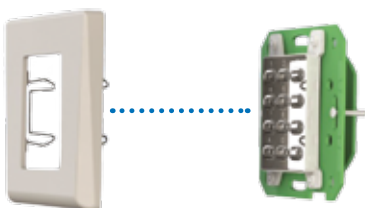
COLOUR RANGE Available in silver (DINPADS), charcoal (DINPADC), blue (DINPADB), green (DINPADG), red (DINPADR) and white (DINPADW)

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS



| Ref. | DINPAD-E | | | | | |
|------------------|---|---|---|--|---|---|
| Features | Electronics of the flush mount DINPAD with backlit metallic keys | | | | | |
| |  |  |  |  |  |  |
| Ref. | DINFPS | DINFPC | DINFPB | DINFPG | DINFPR | DINFPW |
| Features | Silver | Charcoal | Blue | Green | Red | White |
| Dim. (mm) | 85x85x11 | | | | | |

YOUR READER CAN BE CUSTOMISED IN 2 CLICKS



MORE MINI FLUSH MOUNT READERS AVAILABLE IN THE NETWORK RANGE

PROXIMITY READERS & COMBINED KEYPAD/PROXIMITY



EX5P

| Feature | Detail | Feature | Detail |
|---------------------------|--|-----------------------------|--|
| Proximity reader type | EM4100 (125Khz) | Orange LED | LED for keypad programming |
| Fob read distance | PBX-1E (3 to 6 cm) - PBX2 OR 2C (6 to 12 cm) | Keypad blocking | For 30 seconds with beep noise after 8 consecutive incorrect codes |
| Relays | 2 Relays (1 x 10A & 1 x 2A) | Buzzer | 1 |
| Master Code (Programming) | 1 | Antitamper | When Opened or Dismantled |
| User Tags/Codes | 99 (Tag, Code, Tag + Code, Tag + Tag) | Consumption | 15mA in stand-by, 90mA in use |
| Relay time | On/Off or Impulse from 1 to 99 seconds | Power | Automatic Power input selection 12V AC/DC |
| Exit Button inputs | 2 (1 per Relay) | Codix Bus | 3 wire bus (+/-/data) allowing the connection of up to 3 remote readers over a maximum distance of 50m |
| Memory | EEPROM (keep programming safe even in case of power-cut) | Codix remote reader options | Keypads (LCS, INOX, VKP) - Proximity (MINI-C,...) |
| Green LED - Red LED | Potential Free | | |

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS

| Ref. | EX5P-TP | EX5P-TM | 43B | 53B | 53G | 73C | 103A | 103B | 103G |
|-----------|--|---|---------------|-------------------------------|-------------------------|-------------------------------------|---------------------------|-------------------|------------------|
| Features | EX5P Electronics with Backlit Polycarbonate keys | EX5P Electronics with Backlit Metallic keys | ABS, Grey | Moulded aluminium, Grey/White | Moulded aluminium, Grey | Moulded aluminium, Grey/Matt Chrome | Steel A316, Brushed steel | Steel A316, White | Steel A316, Grey |
| Dim. (mm) | - | - | 119.5x83.5x40 | 120x90x43.5 | | | 140x105x39 | | |

COMPLETE KEYPADS WITH HOUSING

| | EX5PM-43B | EX5PM-73C | EX5PM-53B | EX5PM-53G | EX5PM-103A | EX5PM-103B | EX5PM-103G |
|----------------------------|-----------|-------------------------------------|-------------------------------|-------------------------|--------------------------|------------------|-----------------|
| Backlit Metallic keys | | | | | | | |
| Features | ABS, Grey | Moulded aluminium, Grey/Matt Chrome | Moulded aluminium, Grey/White | Moulded aluminium, Grey | Steel A316 Brushed steel | Steel A316 White | Steel A316 Grey |
| Surface mounting | • | • | • | • | • | • | • |
| Flush mounting | | | | | | | |
| Backlit Polycarbonate keys | EX5P-43B | EX5P-73C | EX5P-53B | EX5P-53G | EX5P-103A | EX5P-103B | EX5P-103G |

STAND ALONE PROXIMITY READER



MINI-SA2

| Feature | Detail | Feature | Detail |
|------------------------------|--|-------------------------|---|
| Mounting | Surface | Power | 12-24V DC; 15-24V AC |
| Housing | ABS | Programming | 1 Master, 1 Delete card, shadow cards, each user or group of users must have their own delete (shadow) card |
| Colour | Black | Antitamper | When opened or dismantled |
| Proximity reader type | Reads EM 4100 (125 KHz) compatible tags, cards, key fobs | IP Rating | IP66 |
| User Tags | 4000 Users (cards) | Exit button | Yes |
| Relays | 1 Relay: 1 A/30 VDC, 0.5 A/125 VAC | Dimensions (mm): | 90x51x17 |
| Fob read distance: | up to 5 cm read range | | |



SURFACE & FLUSH STAND ALONE BIOMETRIC KITS



VX-B100-SA-KIT & VX-DINB100-SA-KIT

| Model | System | Description |
|---------------------------|-----------------------|--|
| VX-B100S-SA-KIT | Surface Biometric Kit | Surface Standalone Biometric Reader kit with Remote Relay RTT exit button (in silver only) |
| VX-DINB100S-SA-KIT | Flush Biometric Kit | Flush Standalone Biometric Reader kit with Remote Relay RTT exit button (includes 2x DINFPS silver and 2x DINFPW white cover frames) |
| DINFPB | Cover frames | Charcoal cover frame for flush kits |
| DINFPB | Cover frames | Blue cover frame for flush kits |
| DINFPG | Cover frames | Green cover frame for flush kits |
| DINFPR | Cover frames | Red cover frame for flush kits |
| 324 | Power supply | AMR2-12 Switched mode 2A 12Vdc psu (required for each kit) |

The finger print kits make up a simple one-door standalone biometric system. Each kit comprises of a mini biometric reader and a remote relay unit. The reader can store up to 100 fingerprint templates (97 users, 1 master and 2 admin), it has one relay output and one exit button input.



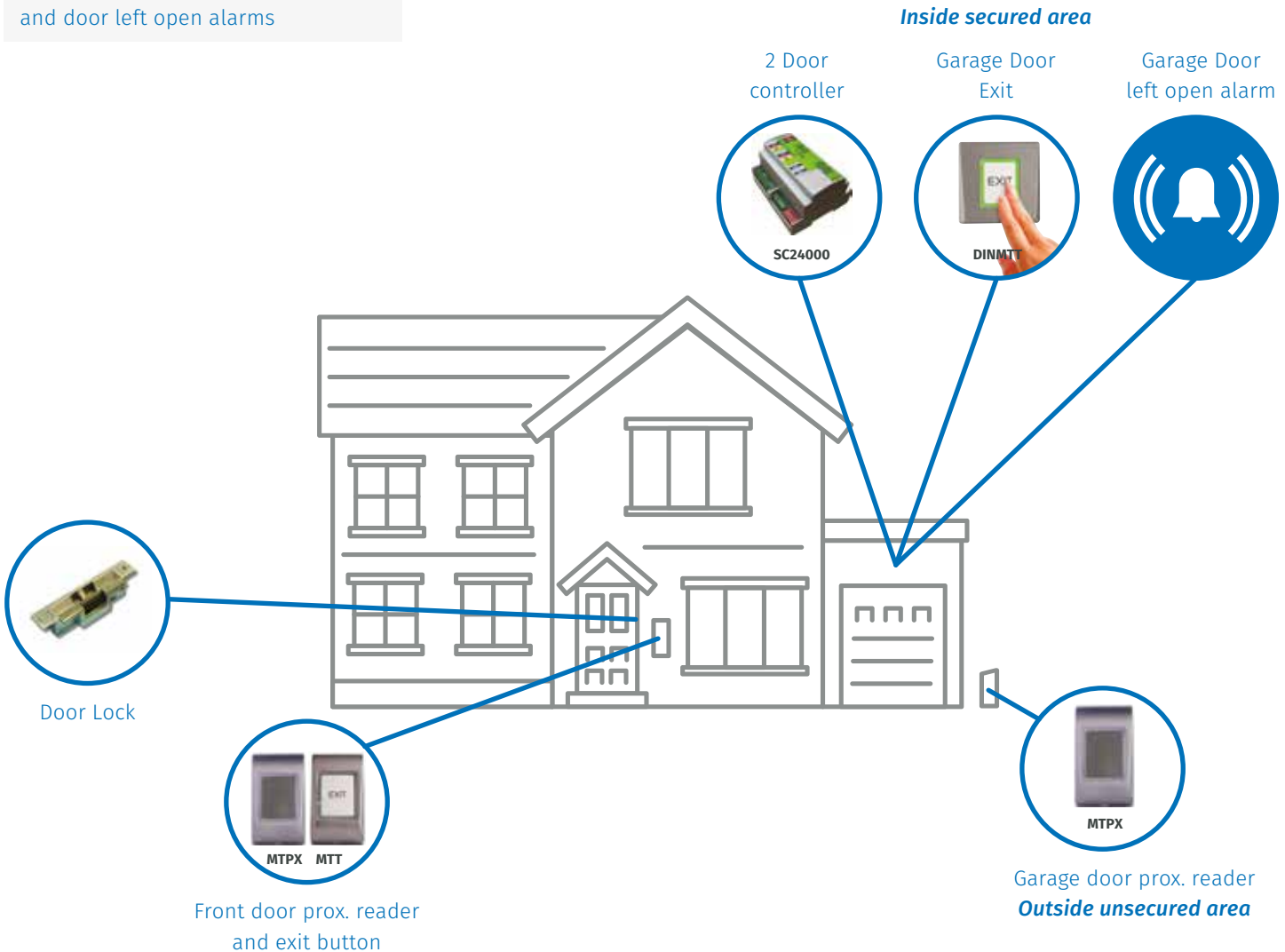
STAND ALONE PROXIMITY & BIOMETRIC CONTROLLERS



A two entrance proximity access control system for up to 4000 users. Utilising shadow cards for easy user management and incorporating advanced features such as antipass back, door forced and door left open alarms

S-PROX CONTROLLER SC24000

| Feature | Detail | Feature | Detail |
|--------------------------------|--|---|---|
| Controller type | Standalone | Exit Button Input | 2 push button |
| Communication | Auto detect Wiegand 26 / Wiegand 34 | Door Contacts | 2 |
| Max number of doors per system | 2 | Tamper-proof protection | No |
| Mounting | Surface | Programming and System Management | With master/delete cards for proximity readers or codes for keypads |
| Housing | Optional DIN/wall mount box included | Compatible with keypads and proximity Readers | Yes |
| Colour | Grey | Compatible with Biometric Readers | No |
| Number of Readers | 2 | Events Reports | No |
| Number of Users | 4000 users (cards) | Power Supply | 8 to 15V DC |
| Internal Memory | Eeprom | Dimensions (mm) | 102x86 (PCB dimensions) |
| Relays | 4 | Remote | No |



WIRELESS KEYPAD & RADIO FOB SYSTEM



EX9

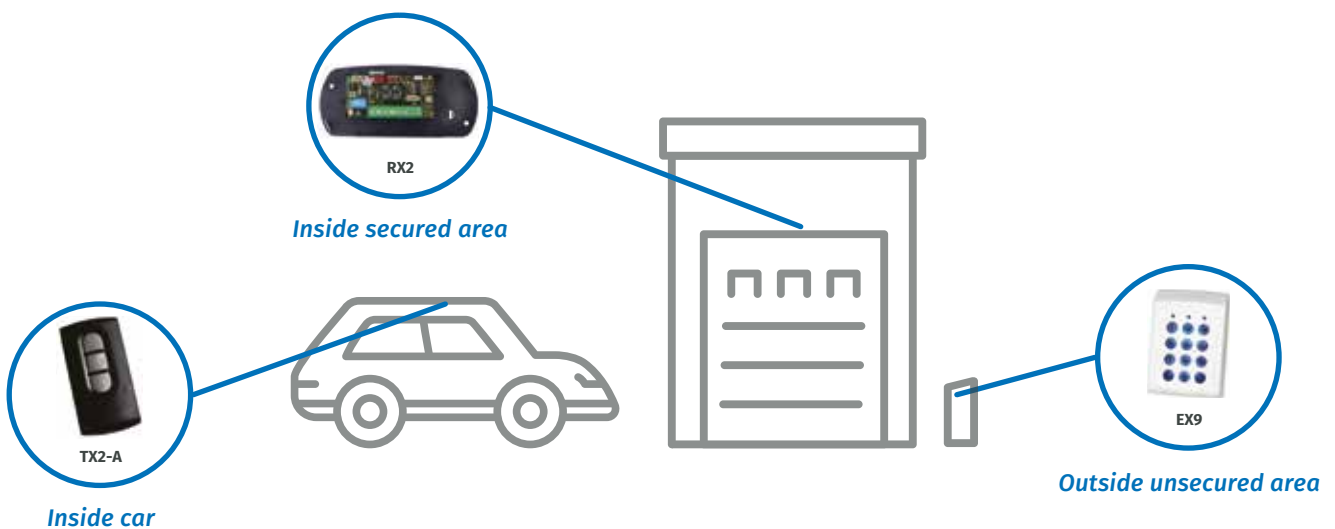
| Feature | Detail | Feature | Detail |
|--------------------------------|--|------------------------|--|
| Keys | Backlit polycarbonate | Red LED | Keypad locked indicator |
| Channels | 10 | Orange LED | Menu set up configuration |
| Programming Master Code | 1 | Buzzer | 1 |
| Users codes | 99 | Power supply | 12/24V AC/DC input and/or 9V battery |
| Relay time | 1 to 10 seconds | Consumption | 27mA in transmission with 9V battery 120mA in transmission with 24Vac power supply |
| Range | 120 mt in open space | IP rating | 65 |
| Green LED | Key press/ error and confirmation signal/ transmission in progress | Dimensions (mm) | 119.5x83.5x40 |



RX2

| Feature | Detail | Feature | Detail |
|---------------------------|---|--------------------------|---------------------------------------|
| Coding | Rolling code | Antenna | Tuned at 433.92 MHz |
| Transmitter memory | Memorisable transmitters: 1000 | Frequency | 433.92 MHz |
| Power supply | 12 V AC/DC Jumper C closed 24 Vac/dc Jumper C open | Expected range | 80 - 250 MT |
| Consumption | 50mA | Relay contact | 1A up to 30 Vdc / 0.5A up to 42.4 Vac |
| Channels | 2 | Temperature range | -10°C to +55°C |

| Ref. | EX9 | RX2 | TX2-A |
|-----------------|--------------|----------------|-----------------------------|
| Features | Radio keypad | Radio receiver | Remote Frequency: 433.92Mhz |



PORTAL PLUS PC BASED SYSTEM

PROGRAMMING & MANAGEMENT SOFTWARE: PROS CS

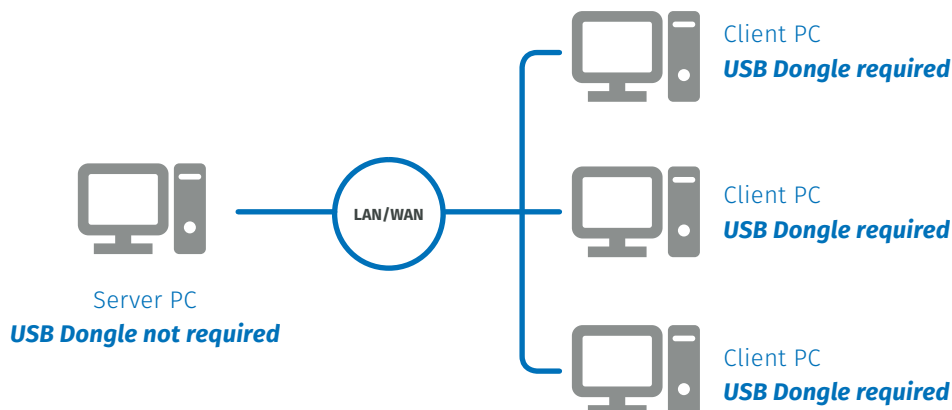


PROS CS: FEATURES OF THE SOFTWARE

| Feature | Detail | Feature | Detail |
|---|---|--------------------------------------|--|
| Compatible with | Windows 8, Windows 7, Windows Vista, Windows server 2008, Windows server 2003, Windows XP SP3, Windows 10 | Number of Time Zones | 24 per EWS, unlimited per system |
| Maximum number of controllers EWS & EWSi | Unlimited | Number of Departments | Unlimited |
| Maximum number of doors | Unlimited | Number of Holidays | 32 per EWS |
| Maximum number of sites | Unlimited | Easy Programming | A scanning feature enables all controllers and biometric readers on one or several communication portals to be found |
| Maximum number of Clients | Unlimited | Reports | Preset and Configurable, export to PDF, XLS, CSV, XML, HTML, TXT, RTF |
| Database | SQL or Access | Send reports by mail | Yes |
| Anti-passback | Yes; Timed APB; APB per User | Events visualisation | Chronological order |
| Mantrap Function | Yes | Biometric Readers | Biometric reader programming and users fingerprint management integrated into software |
| Door Open by multiple cards | 1 to 8 cards | T&A calculation | Yes |
| Activation of several relays from one reader | Yes | Web report server | Yes |
| Remote Relay activation | Any relay | Automatic evacuation printing | Yes |
| Reader Wiegand Protocol | 26, 34 Bit or customized Wiegand can be mixed in the same systems or EWS | Multilanguage | EN, FR, NL, DE, ES, IT, PT, PL, CZ |
| Number of access levels | Unlimited | | |

THERE ARE THREE PARTS TO THE PROC CS PROGRAM

| PROS CS - SERVER | PROS CS - CLIENT | PROS CS - WEBSERVER |
|--|--|--|
| This would be installed on one PC along with the client program which would connect to the Portal Plus hardware either via a network connection or through an RS485 bus to USB. The server software is free, a USB dongle is not required for the software installed on the server | The client can be installed on a number of PC's either local to the server or remotely via the internet. A USB dongle is required for each client. The client environment looks and feels like the PROS CS software allowing all features to be controlled. Client access levels can be setup to restrict users from the particular features if required | The webservice is optional and enables users to view and generate reports from a standard web browser. A useful feature of this is the ability to allow each user the facility to view their own reports while allowing operators to view reports of all users |



2 DOOR CONTROLLERS



2 Doors controller with optional TCP/IP port, door contacts, exit button inputs and free I/O

EWS-EWSI

| | EWS | EWSI |
|---|---|---|
| Controller type | Network | Network |
| Communication | RS485 | NATIVE TCP/IP + RS485 |
| Max number of controllers per installation | Unlimited | Unlimited |
| Max number of doors per system | Unlimited | Unlimited |
| Number of Wiegand Readers (8 to 128 bits) | 2 (1 with APB) | 2 (1 with APB) |
| Number of Users | 15000 Max | 15000 Max |
| Number of Events | 30000 Max | 30000 Max |
| Number of Time Zones | 24 | 24 |
| Number of Users Groups | Unlimited | Unlimited |
| Number of Bank Holidays | 32 | 32 |
| Internal Memory | Yes, with time and date back-up by Lithium CR2032 battery | Yes, with time and date back-up by Lithium CR2032 battery |
| Door relays | 2 (2 x 10A) | 2 (2 x 10A) |
| Programmable Relays | 2 (2 x 10A) | 2 (2 x 10A) |
| Programmable Inputs | 2 (Opto paired) | 2 (Opto paired) |
| Exit Button Input | 2 (1 per door) | 2 (1 per door) |
| Door Contacts | 2 (1 per door) | 2 (1 per door) |
| Controller Updates | RS485 bus | RS485 bus or TCP/IP network |
| Biometric Readers | Biometric readers use the controllers communication buses (RS485 or IP) | Biometric readers use the controllers communication buses (RS485 or IP) |
| Addressing | Every single controller has a unique address | Every single controller has a unique address |
| Status LEDs | 16 | 16 |
| Power Supply | 12 VDC | 12 VDC |
| Programming & System Management | Free Windows Software "PROS" | Free Windows Software "PROS" |
| Dimensions (mm) | 152X85X27 | 152X85X27 |



PPCU1 & PPCU2

| Ref. | PPCU1 | PPCU2 |
|-----------------|---|---|
| Features | As per EWS with RS485 communication. Supplied in a metal lockable box (266x360x75) complete with 3.5A 13.8Vdc power supply with 3 fused outputs and battery backup facility (Battery not included) Recommended battery: 12V 7aH | As per EWSi with TCP/IP & RS485 communication. Supplied in a metal lockable box (266x360x75) complete with 3.5A 13.8Vdc power supply with 3 fused outputs and battery backup facility (Battery not included) Recommended battery: 12V 7aH |

2 DOOR CONTROLLER RS485 & TCP/IP BLOCK DIAGRAM



- Up to 15.000 Users
- Up to 30.000 Events per controller, unlimited per system
- TCP/IP built in (in version EWSi)
- Programmable (Bitwise) Wiegand Interface (8 to 128 bit)
- Anti-pass back, timed anti-pass back and mantrap

EWS-EWSI

2 Free Inputs

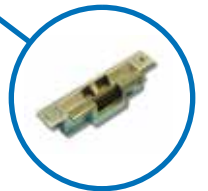
2 Free Outputs



2 Doors Relays

2 Exit Buttons

2 Doors Sensors



Native TCP/IP Communication

RS485 Communication

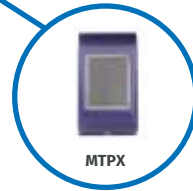
2 Configurable Wiegand Inputs



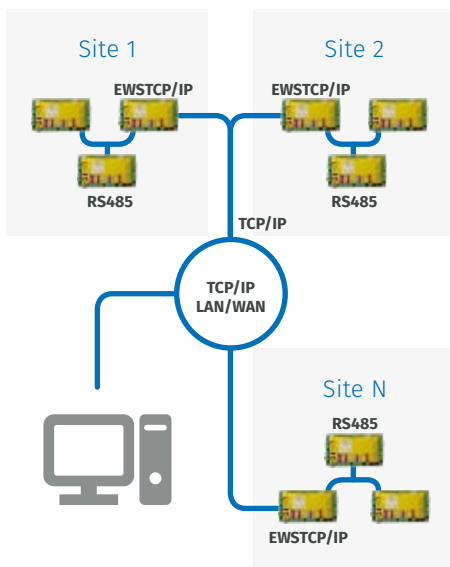
BIOC



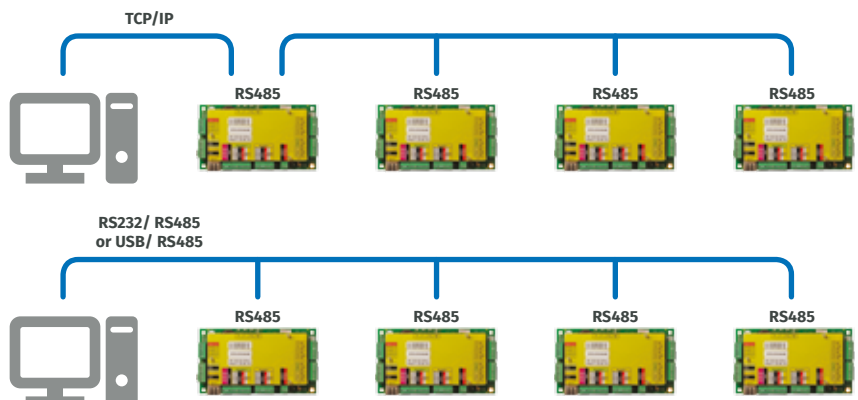
MTPAD



MTPX



EWS NETWORK



MINI FLUSH SINGLE GANG READERS



DINPAD-M

| Feature | Detail | Feature | Detail |
|--------------------------------|--|------------------------------|--|
| Mounting | UK electrical flush back box | Antitamper protection | When Opened or Dismantled |
| Housing | ABS | Wiring | Terminal block |
| Keys | Backlit Metallic | Consumption | Max. 70 mA |
| Communication Protocols | Compatible with WIEGAND 26, 30, 34, 40bit, Clock & Data or Codix | Power Supply | 12V DC |
| Slave devices | DINMTPX-M, DINMTPX-MF | Illumination | Blue backlight (Programmable on/off control) |
| Green LED | Free tension | Operating Temperature | -20°C to +50°C |
| Red LED | Free tension | IP Rating | 40 |
| Orange LED | Programming Status | Dimensions (mm) | 85x85x11 |
| Buzzer | 1 | | |



COMPLETE FLUSH KEYPADS Available in silver (DINPADS-M), charcoal (DINPADC-M), blue (DINPADB-M), green (DINPADG-M), red (DINPADR-M) and white (DINPADW-M)



DINMTPX-M

| Feature | Detail | Feature | Detail |
|--------------------------------|--|------------------------------|---------------------------|
| Mounting | UK electrical flush back box | Red LED | Potential Free |
| Housing | ABS | Orange LED | Communication status |
| Communication Protocols | Wiegand 26 or 34 bits (jumper selection) | Antitamper Protection | When opened or dismantled |
| Proximity reading type | EM4100 | Buzzer | 1 |
| Reading distance | 4-7cm | Consumption | Max. 45mA |
| Wiring | Terminal block | IP Rating | 40 |
| Power Supply | 9-14V DC | Operating Temperature | -20°C to +50°C |
| Green LED | Potential Free | Dimensions (mm) | 85x85x11 |



COMPLETE FLUSH PROXIMITY READERS Available in silver (DINMTPXS-M), charcoal (DINMTPXC-M), blue (DINMTPXB-M), green (DINMTPXG-M), red (DINMTPXR-M) and white (DINMTPXW-M)



DINMTPX-MF

| Feature | Detail | Feature | Detail |
|--------------------------------|---|------------------------------|---------------------------|
| Mounting | UK electrical flush back box | Red LED | Potential Free |
| Housing | ABS | Orange LED | Communication status |
| Communication Protocols | Wiegand 26 or 34 bits (jumper selection) | Antitamper Protection | When opened or dismantled |
| Proximity reading type | Mifare Classic, Mifare Ultralight, Mifare Desfire (13, 56MHz) | Buzzer | 1 |
| Reading distance | 1-6cm | Consumption | Max. 150mA |
| Wiring | Terminal block | IP Rating | 40 |
| Power Supply | 9-14V DC | Operating Temperature | -20°C to +50°C |
| Green LED | Potential Free | Dimensions (mm) | 85x85x11 |



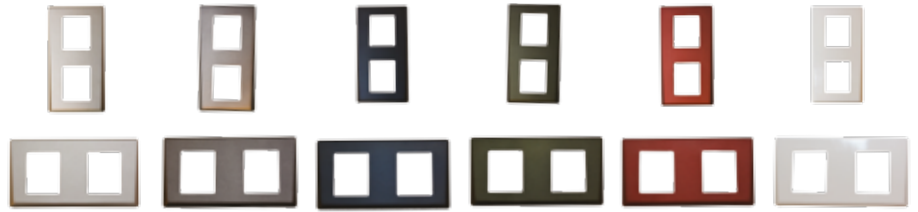
COMPLETE FLUSH PROXIMITY READERS Available in silver (DINMTPXS-MF), charcoal (DINMTPXC-MF), blue (DINMTPXB-MF), green (DINMTPXG-MF), red (DINMTPXR-MF) and white (DINMTPXW-MF)

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS (Available in 6 colours)



| Ref. | DINPAD-M-E | DINMTPX-M-E | DINMTPX-MF-E | DINFPS | DINFPC | DINFPB | DINFPG | DINFPR | DINFPW |
|------------------|--|--|---|----------|----------|--------|--------|--------|--------|
| Features | Electronics of the flush mount DINPAD with backlit metallic keys | Electronics of the flush mount DINMTPX-M | Electronics of the flush mount DINMTPX-MF | Silver | Charcoal | Blue | Green | Red | White |
| Dim. (mm) | - | - | - | 85x85x11 | | | | | |

MINI FLUSH DOUBLE GANG READERS



VERTICAL & HORIZONTAL DOUBLE FRAMES AVAILABLE IN 6 COLOURS

Available in silver (DINFPV2S/DINFPH2S), charcoal (DINFPV2SC/DINFPH2SC), blue (DINFPV2SB/DINFPH2SB), green (DINFPV2SG/DINFPH2SG), red (DINFPV2SR/DINFPH2SR) and white (DINFPV2SW/DINFPH2SW)

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS (Available in 6 colours)



| Ref. | DINPADM-E | DINMTPXM-E | DINMTPXM-F | DINFPV2S DINFPH2S | DINFPV2SC DINFPH2SC | DINFPV2SB DINFPH2SB | DINFPV2SG DINFPH2SG | DINFPV2SR DINFPH2SR | DINFPV2SW DINFPH2SW |
|-----------|--|--|---|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Features | Electronics of the flush mount DINPAD-M with backlit metallic keys | Electronics of the flush mount DINMTPX-M | Electronics of the flush mount DINMTPX-MF | Silver | Charcoal | Blue | Green | Red | White |
| Dim. (mm) | - | - | - | 80x151x9 | | | | | |



PADPROX-EM

| Feature | Detail | Feature | Detail |
|-------------------------|--|-----------------------|------------------------------|
| Mounting | Surface Mount | Wiring | 3m cable |
| Housing | Moulded Aluminium | Power Supply | 12V DC |
| Technology | Proximity(125 KHz, EM) and Keypad | Green LED | Externally Controlled |
| Communication Protocols | Wiegand 26, 30, 34, 40 bits, Clock&Data, Codix | Red LED | Externally Controlled |
| Protocol Programming | From the keypad | Orange LED | Programming Status |
| Authentication | Card, PIN Code, Card or/and PIN Code | Buzzer | With intensity (programming) |
| Resin potted electronic | Yes | Consumption | 100mA Max |
| PIN Code Length | 1 to 8 digits | IP Rating | 65 |
| Proximity reading type | EM 4002, EM 4100 | Operating Temperature | -20°C to +50°C |
| Reading distance | 2- 5cm | Dimensions (mm) | 100x94x30 |



Stylish network reader with double technology and Wiegand output



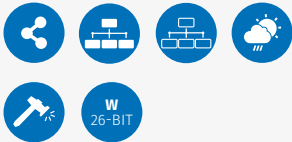
COLOUR RANGE Available in silver (PADPROXS-EM), charcoal (PADPROXC-EM), blue (PADPROXB-EM), green (PADPROXG-EM), red (PADPROXR-EM) and white (PADPROXSW-EM)

VANDAL RESISTANT, MINI & SLIMLINE KEYPADS



MTPAD-M

| Feature | Detail | Feature | Detail |
|--------------------------------|--|------------------------------|--|
| Mounting | Surface | Buzzer | 1 |
| Housing | Moulded Aluminium | Antitamper protection | When Opened or Dismantled |
| Keys | Backlit Metallic | Consumption | 45mA |
| Resin potted electronic | Yes (with 3m cable) | Power | 12V DC |
| Communication Protocols | Compatible with WIEGAND 26, 30, 34, 40bit, Clock & Data or Codix | Illumination | Blue backlight (Programmable on/off control) |
| Green LED | Free tension | IP Rating | 65 |
| Red LED | Free tension | Operating Temperature | -20°C to +50° |
| Orange LED | Programming Status | Dimensions (mm) | 92x51x25 |



Small metal keypad with backlit metal keys

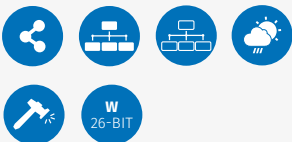


COLOUR RANGE Available in silver (MTPADS-M), charcoal (MTPADC-M), blue (MTPADB-M), green (MTPADG-M), red (MTPADR-M) and white (MTPADW-M)



INOX & VKP

| Feature | Detail | Feature | Detail |
|--------------------------------|---|------------------------------|----------------------------|
| Mounting | Surface | Buzzer | 1 |
| Resin potted electronic | Yes | Antitamper Protection | No |
| Communication Protocols | Wiegand 26 Bits, Wiegand 30 Bits, Data/Clock, Codix | Consumption | 10mA stand-by, 60mA in use |
| Green LED | Free tension | Power supply | 12V DC |
| Red LED | Free tension | Operating Temperature | -15°C to 70°C |
| Orange LED | Communication Status | | |

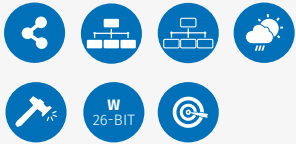


Mullion and Vandal Resistant Keypads



| Ref. | INOX-C | INOX-B | INOX-G | VKP |
|-----------------|---|--|--|---|
| Features | Moulded aluminium Grey/Chrome Matt Backlit Metallic Keys IP 67 149,5x50,5x48 (mm) | Moulded aluminium White Backlit Metallic Keys IP 67 149,5x50,5x48 (mm) | Moulded aluminium Dark Grey Backlit Metallic Keys IP 67 149,5x50,5x48 (mm) | Moulded aluminium Chrome Matt Metallic Keys IP 65 116x86x22 |

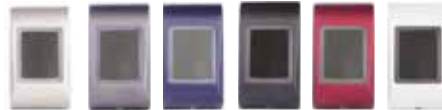
EM PROXIMITY READERS



Small metal proximity readers with large rectangle shaped status LED.

MTPX-M

| Feature | Detail | Feature | Detail |
|--------------------------------|--|------------------------------|---------------------------|
| Mounting | Surface Mount | Green LED | Potential Free |
| Housing | Moulded Aluminium | Red LED | Potential Free |
| Resin potted electronic | Yes | Orange LED | Communication status |
| Communication Protocols | Wiegand 26 to 40 bits, Data/Clock, Codix (Supplied by defaults in 26 Bits Wiegand) | Antitamper Protection | When opened or dismantled |
| Protocol Programming | By MultiPro Programmer | Buzzer | 1 |
| Proximity reading type | EM4100 (125 KHz) | Consumption | 30mA |
| Reading distance | 2-5cm | IP Rating | 65 |
| Wiring | 3m cable | Operating Temperature | -20°C to +50°C |
| Power Supply | 8 to 14V DC | Dimensions (mm) | 92x51x25 |



COLOUR RANGE Available in silver (MTPXS-M), charcoal (MTPXC-M), blue (MTPXB-M), green (MTPXG-M), red (MTPXR-M) and white (MTPXW-M)







MINI-M & VPROX2-M




| Feature | Detail | Feature | Detail |
|--------------------------------|--|------------------------------|-------------------------------|
| Mounting | Surface Mount | Power Supply | 9 to 12V DC |
| Resin potted electronic | Yes | Green LED | Potential Free |
| Communication Protocols | Wiegand 26 to 40 bits, Data/Clock, Codix (Supplied by defaults in 26 Bits Wiegand) | Red LED | Potential Free |
| Protocol Programming | By MultiPro Programmer | Orange LED | Communication status |
| Proximity reading type | EM4100 (125 KHz) | Buzzer | 1 |
| Reading distance | 6-12 cm (MINI-M) 3-6 cm (VPROX2-M) | Consumption | 20mA in stand-by, 35mA Max |
| Wiring | 3m cable | Operating Temperature | -20°C to +50°C |



| Ref. | MINI-M | VPROX2-M |
|-----------------|------------------------------------|--|
| Features | ABS Black IP 66 116x86x22 | Moulded aluminium Chrome Matt IP 65 116x86x22 |



W
26-BIT

MINI-M is a small proximity reader in ABS, VPROX2-M is a vandal resistant proximity reader



XPROX

| Feature | Detail | Feature | Detail |
|--------------------------------|---|------------------------------|----------------------|
| Mounting | Panel mount (40mm square cut out, fixings at 49mm square) | Green LED | Free tension |
| Resin potted electronic | Yes | Red LED | Free tension |
| Communication Protocols | Protocols: Wiegand 26 to 40 bits, Data/Clock, Codix (Supplied by defaults in 26 Bits Wiegand) | Orange LED | Communication status |
| Protocol Programming | By MultiPro Programmer | Buzzer | Yes |
| Proximity reading type | EM4100 (125 KHz) | Consumption | 30mA |
| Reading distance | 8-10cm | Operating Temperature | -20°C to +50°C |
| Wiring | Terminal block | Protection | IP65 |
| Power Supply | 12V DC | | |








W
26-BIT

Vandal resistant proximity reader

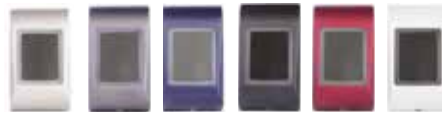
MIFARE PROXIMITY READERS



Small metal proximity MIFARE readers with large rectangle shaped status LED

MTPX-MF-W26 & MTPX-MF-W34

| Feature | Detail | Feature | Detail |
|-------------------------|--|------------------------|---------------------------|
| Mounting | Surface Mount | Green LED | Free tension |
| Housing | Moulded Aluminium | Red LED | Free tension |
| Resin potted electronic | Yes | Orange LED | Communication status |
| Communication Protocols | Wiegand 26 bits (MTPX-MF-W26) or Wiegand 34 bits (MTPX-MF-W34) | Anti-tamper Protection | When opened or dismantled |
| Protocol Programming | No | Buzzer | 1 |
| Proximity reading type | Mifare Classic CSN, Mifare Ultralight, Mifare Desfire (13,56MHz) | Consumption | 110mA Max |
| Reading distance | Cards 1-3cm, Fobs 1-2cm | IP Rating | 65 |
| Wiring | 1.5m cable | Operating Temperature | -20°C to +50°C |
| Power Supply | 8 to 14V DC | Dimensions (mm) | 92x51x25 |



COLOUR RANGE Available in silver (MTPXS-MF-W26/MTPXS-MF-W34), charcoal (MTPXC-MF-W26/MTPXC-MF-W34), blue (MTPXB-MF-W26/MTPXB-MF-W34), green (MTPXG-MF-W26/MTPXG-MF-W34), red (MTPXR-MF-W26/MTPXR-MF-W34) and white (MTPXW-MF-W26/MTPXW-MF-W34)



Small proximity MIFARE reader in ABS

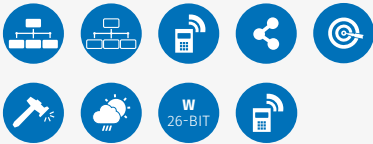
MINI-MF-W26 & MINI-MF-W34

| Feature | Detail | Feature | Detail |
|-------------------------|--|-----------------------|----------------------|
| Mounting | Surface Mount | Green LED | Free tension |
| Resin potted electronic | Yes | Red LED | Free tension |
| Communication Protocols | Wiegand 26 bits (MINI-MF-W26) or Wiegand 34 bits (MINI-MF-W34) | Orange LED | Communication status |
| Protocol Programming | No | Antitamper Protection | No |
| Proximity reading type | Mifare Classic CSN, Mifare Ultralight, Mifare Desfire (13,56MHz) | Buzzer | 1 |
| Reading distance | 1-6 cm | Consumption | 110mA Max |
| Wiring | 1.5m cable | Operating Temperature | -20°C to +50°C |
| Power Supply | 8 to 12V DC | Dimensions (mm) | 90x51x17 |



| Ref. | MINI-MF-W26 | MINI-MF-W34 |
|----------|--|--|
| Features | ABS Black Wiegand 26 bits IP 65 116x86x22 | ABS Black Wiegand 34 bits IP 65 116x86x22 |

COMBINED KEYPAD/PROXIMITY READERS: LCSP & LCSP-MF



| | LCSP-EM | LCSP-MF |
|--------------------------------|---|---|
| Communication Protocols | Compatible with WIEGAND 26, 30, 34, 40bit, Clock & Data or Codix | Compatible with WIEGAND 26, 30, 34, 40bit, Clock & Data |
| Proximity reader type | EM4100 (125Khz) | Mifare Classic CSN, Ultralight, Desfire tags and Cards |
| Fob reading distance | 2-7cm | 3-8cm |
| Entry mode | Card only, PIN Code only, Card or PIN Code, Card and PIN Code (double security) | Card only, PIN Code only, Card or PIN, Card and PIN (double security) |
| Green LED | Potential Free | Free tension |
| Red LED | Potential Free | Free tension |
| Orange LED | LED for keypad programming | LED for keypad programming |
| Buzzer | 1 | 1 |
| Consumption | 50mA | 140mA |
| Power Supply | 12V DC | Automatic Power input selection 12V AC/DC |
| IP Rating | 65 (indoor/outdoor use) | 65 (indoor/outdoor use) |
| Operating temperature | -25°C to 50°C | -25°C to 50°C |

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTONICS



| Ref. | LCSP-EM-TP | LCSP-EM-TM | 43B | 53B | 53G | 73C | 103A | 103B | 103G |
|------------------|---|--|---------------|-------------------------------|-------------------------|-------------------------------------|---------------------------|-------------------|------------------|
| Features | Electronic LCSP with Backlit Polycarbonate keys | Electronic LCSP with Backlit metallic keys | ABS, Grey | Moulded aluminium, Grey/White | Moulded aluminium, Grey | Moulded aluminium, Grey/Matt Chrome | Steel A316, Brushed steel | Steel A316, White | Steel A316, Grey |
| Dim. (mm) | - | - | 119.5x83.5x40 | 120x90x43.5 | | | 140x105x39 | | |

COMPLETE KEYPADS WITH HOUSING



| Backlit Metallic keys | LCSPM-EM-43B | LCSPM-EM-73C | LCSPM-EM-53B | LCSPM-EM-53G | LCSPM-EM-103A | LCSPM-EM-103B | LCSPM-EM-103G | LCSPM-MF-43B |
|----------------------------|--------------|-------------------------------------|-------------------------------|-------------------------|--------------------------|------------------|-----------------|--------------|
| Features | ABS, Grey | Moulded aluminium, Grey/Matt Chrome | Moulded aluminium, Grey/White | Moulded aluminium, Grey | Steel A316 Brushed steel | Steel A316 White | Steel A316 Grey | ABS Grey |
| Surface mounting | • | • | • | • | | | | • |
| Flush mounting | | | | | • | • | • | |
| Backlit Polycarbonate keys | LCSP-EM-43B | LCSP-EM-73C | LCSP-EM-53B | LCSP-EM-53G | LCSP-EM-103A | LCSP-EM-103B | LCSP-EM-103G | LCSP-MF-43B |



BIOMETRIC READERS & BIOMANAGER SOFTWARE



BIOC3

| Feature | Detail | Feature | Detail |
|---------------------------------|--|------------------------------|------------------------------|
| Mounting | Surface Mount | Power Supply | 12V DC |
| Housing | Moulded Aluminium | Green LED | Externally controlled |
| Technology | Biometry | Red LED | Externally controlled |
| Communication Protocols | Wiegand 8 to 128 Bits (default: Wiegand 26bit) | Orange LED | Communication Status |
| Protocol Programming | By PROS software (EWS system) & BIOMANAGER (All Access Control Systems) | Buzzer | With intensity (programming) |
| Type of biometric sensor | Capacitive | Consumption | 200mA Max |
| Identification | <1sec | IP Rating | 54 (internal use only) |
| Fingerprint Enrolment | On the reader or from the enrolment desktop reader USB BIOE (Software PROS CS or BIOMANAGER) | Operating Temperature | 0°C to +40°C |
| Fingerprints stored | 9500 | Dimensions (mm) | 92x51x25 |
| Wiring | Terminal Blocks | | |



Stylish network biometry readers with large rectangle shaped status LED and Wiegand output

For external use, we recommend the BIOPAD-M or the BIOPROX-EM dual technology readers.

BIOMANAGER SOFTWARE

Fingerprint and Code Management Software for Biometric Readers when used with third party access control systems. Fingerprint enrolment from any networked biometric reader or from USB desktop enrolment unit BIOE. The fingerprints could be sent to one or all biometric readers in the Network.

Compatible with Windows XP, Windows vista, Windows server 2008, Windows7, Windows8 and Windows10



MINI DOUBLE TECHNOLOGY



Stylish network reader with double technology and Wiegand output

BIOPAD-M

| Feature | Detail | Feature | Detail |
|---------------------------------|--|-----------------------------------|------------------------------|
| Mounting | Surface Mount | Fingerprints number stored | 9500 |
| Housing | Moulded Aluminium | Wiring | 3m cable |
| Technology | Biometry & keypad | Power Supply | 12V DC |
| Communication Protocols | Wiegand 8 to 128 Bits (default: Wiegand 26bit) | Green LED | Externally Controlled |
| Protocol Programming | By PROS software (EWS system) & BIOMANAGER (All Access Control Systems) | Red LED | Externally Controlled |
| Authentication | Finger, PIN Code, Finger or/and PIN Code | Orange LED | Programming Status |
| Resin potted electronic | Yes | Buzzer | With intensity (programming) |
| PIN Code Length | 1 to 8 digits | Consumption | 130mA Max |
| Type of biometric sensor | Capacitive | IP Rating | 65 |
| Identification | <1sec | Operating Temperature | -15°C to +50°C |
| Fingerprint Enrolment | On the reader or from the enrolment desktop reader USB BIOE (Software PROS CS or BIOMANAGER) | Dimensions (mm) | 100x94x30 |



COLOUR RANGE Available in silver (BIOPADS-M), charcoal (BIOPADC-M), blue (BIOPADB-M), green (BIOPADG-M), red (BIOPADR-M) and white (BIOPADW-M)



Stylish network reader with double technology and Wiegand output

BIOPROX-EM

| Feature | Detail | Feature | Detail |
|---------------------------------|--|-----------------------------------|------------------------------|
| Mounting | Surface Mount | Fingerprints number stored | 9500 |
| Housing | Moulded Aluminium | Wiring | 3m cable |
| Technology | Biometry and Proximity (125 KHz, EM) | Power Supply | 12V DC |
| Communication Protocols | Wiegand 1 to 128 Bits (default: Wiegand 26bit) | Green LED | Externally Controlled |
| Protocol Programming | By PROS software (EWS system) & BIOMANAGER (All Access Control Systems) | Red LED | Externally Controlled |
| Authentication | Finger, Card, Finger or/and Card | Orange LED | Programming Status |
| Resin potted electronic | Yes | Buzzer | With intensity (programming) |
| Proximity reading type | EM 4002, EM 4100 | Consumption | 120mA Max |
| Reading distance | 2-5cm | IP Rating | 65 |
| Type of biometric sensor | Capacitive | Operating Temperature | -15°C to +50°C |
| Identification | <1sec | Dimensions (mm) | 100x94x30 |
| Fingerprint Enrolment: | On the reader or from the enrolment desktop reader USB BIOE (Software PROS CS or BIOMANAGER) | | |



COLOUR RANGE Available in silver (BIOPROXS-EM), charcoal (BIOPROXC-EM), blue (BIOPROXB-EM), green (BIOPROXG-EM), red (BIOPROXR-EM) and white (BIOPROXW-EM)

ACCESSORIES

TOUCH SENSITIVE PUSH BUTTONS



Stylish and aesthetic touch sensitive push button

DINMTT

| Feature | Detail | Feature | Detail |
|---------------------|--|---------------------------------|-----------------------------------|
| Mounting | DIN Flush mount | Visual and Sound Signals | Complete button lighting & Buzzer |
| Housing | ABS | Wiring | Terminal block |
| Technology | Touch sensitive | Power Supply | 12-24V DC; 15-24V AC |
| Backlighting | Green (Door Opened) Red (Door Closed) | Consumption | Max 65mA |
| Exit | Relay 1A (NO/C/NC) | Operating Temperature | -20°C to +50°C |
| Relay output | 2A at 24 DC / 120V AC | | |



COLOUR RANGE Available in silver (DINMTTS), charcoal (DINMTTC), blue (DINMTTB), green (DINMTTG), red (DINMTTR) and white (DINMTTW)

CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS



| Ref. | DINMTT-E | DINFPS | DINFPC | DINFPB | DINFPG | DINFPR | DINFPW |
|------------------|---|----------|----------|--------|--------|--------|--------|
| Features | Electronic of the flush mount DINMTT with backlit metallic keys | Silver | Charcoal | Blue | Green | Red | White |
| Dim. (mm) | - | 85x85x11 | | | | | |



Stylish and aesthetic touch sensitive push button

MTT

| Feature | Detail | Feature | Detail |
|--------------------------------|--|---------------------------------|-----------------------------------|
| Mounting | Surface Mounted | Relay output | 2A at 24 DC / 120V AC |
| Housing | Moulded Aluminium & Front plate in stainless steel | Visual and Sound Signals | Complete button lighting & Buzzer |
| Resin potted electronic | Yes | Wiring | 3m cable |
| Technology | Touch Sensitive | Power Supply | 12-24V DC; 15-24V AC |
| Backlighting | Green (Door Opened) Red (Door Closed) | Consumption | Min 45mA, Max 80mA |
| Exit | Relay 1A (NO/C/NC) | Operating Temperature | -20°C to +50°C |



COLOUR RANGE Available in silver (MTTS), charcoal (MTTC), blue (MTTB), green (MTTG), red (MTTR) and white (MTTW)

ALL OTHER ACCESSORIES



Protection Cover for Mini Metal range readers

MC-MINI & MCD-MINI



| Ref. | MC-MINI | MCD-MINI |
|----------|---|---|
| Features | Protection cover for BIOG, MTPAD, MTT and MTPX Stainless Steel | Protection cover for BIOG, MTPAD, MTT and MTPX Stainless Steel |



Protocol programmer for XPR proximity readers

MULTIPRO

| Ref. | MULTIPRO |
|----------|--|
| Features | Protocol programmer for XPR proximity readers. Metal housing. Protocol selection of reader for compatibility with controller. Can programme 5 readers silmutaneously. Keypads & 3 LED to help for programming. 12VDC (PSU not supplied) |



For the easy enrolment of your proximity cards or fingerprints





USB DESKTOP READERS






| Ref. | BIOE | PROXE |
|----------|--|---|
| Features | USB biometry reader for templates registering through PC | USB proximity reader for EM and MIFARE cards through PC |



EM FOBS & CARDS

| | | | | |
|-----------------|---|--|---|---|
| |  |  |  |  |
| Ref. | PBX-1E | PBX-1C | PBX-2 | PBX-2C |
| Features | ABS Keyfob EM4100 | Leather Keyfob EM4100 | 0,75mm ISO Card - EM4100 | 2mm NISO Card - EM4100 |

MIFARE ULTRALIGHT FOBS & CARDS

| | | | |
|-----------------|---|---|---|
| |  |  |  |
| Ref. | PBX-1E-MU | PBX-2-MU | PBX-2C-MU |
| Features | ABS Keyfob Mifare | 0,75mm ISO Card - Mifare | 2mm NISO Card - Mifare |

MIFARE S50 FOBS & CARDS

| | | | |
|-----------------|---|---|---|
| |  |  |  |
| Ref. | PBX-1E-MS50 | PBX-2-MS50 | PBX-2C-MS50 |
| Features | ABS Keyfob Mifare (2K) | 0,75mm ISO Card - Mifare (2K) | 2mm NISO Card - Mifare (2K) |



Radio Remote Control for EX9

TX2-A

| | |
|-----------------|-------------------------------------|
| Ref. | TX2-A |
| Features | Frequency: 433.92Mhz Channels: 4 |



481 CONVERTER

| | |
|-----------------|---------------------------------|
| Ref. | 481 |
| Features | To USB converter RS232/RS485 |

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