



## Web Access



## Web Access

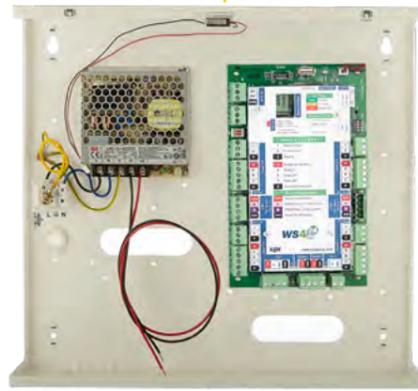
Control everything via Internet, anywhere you are and with the device that you prefer to use: your mobile phone, tablet or computer.

We make easier for you to control the access to the doors of your house, office, business... No matter the physical distance.

Just with one web server controller, the MyWS4, and our readers and keypads specially designed to be connected to it.



BROWSER



WS4 CONTROLLER



RS485 (1)

RS485 (2)



- Capacity for 2500 users
- 250 access groups
- 50 weekly schedules
- Stores the last 50,000 events
- Airlock function: applies to 2, 3 or 4 doors
- Anti-passback function
- Anti-passback time function

- 10 operators (with one specially dedicated to the installer for the remote maintenance of the system)
- Import users
- Export events and users (CSV format)
- Easy saving of data: on a USB Key, in the WS4 internal memory (daily), or on the user interface.
- Email alerts and periodic system reports

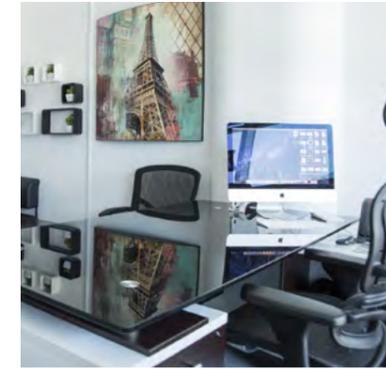
## Solutions

XPR Web Access can be applied to infinite solutions. Easy to install and to manage, the possibility to access the system via an Internet connection, gives you more flexibility and allows you also be under control of multiple case scenarios. You don't need to be worried about being present or close to the facility or building you want to protect.

Here are a few examples of cases in which the Web Access system can be a great solution.



Rental apartments



Offices



Retail shops



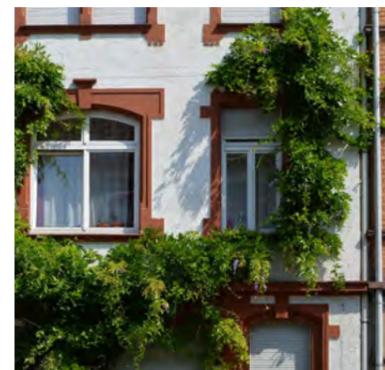
Co-working



Parking spaces



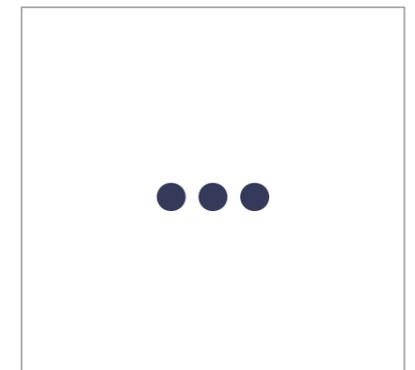
Rental storage rooms



Residential buildings



Lifts



And more...

## Controller - Web Access Solution

### WS4

The WS4 controllers are door control units that can be extended to 20 doors if needed. Created to be installed and used very easily. There is no need to install or download any software. There is no need to have a dedicated PC either. Everything is available online and the operators just need to register with their serial number to start using the software application.

- 100% stand-alone
- No software to install or download
- Intuitive and ergonomic interface
- No dedicated PC
- Can be used with all types of device: PC, MAC, Smartphone, iPhone, Tablet, iPad
- Accessible from anywhere in the world with Internet connection
- Reduced installation time
- Adaptive web format Adapts to the format of your equipment (Responsive Web Design)
- TCP/IP connection: 10/100/1000 Base-T – HTTP or HTTPS
- Intelligent power supply: with full discharge battery protection and protection of power supplies against short circuits

### Complete visualization of the status of the system at a glance

You will be able to check quickly all the following details:

- The status of the doors and the readers
- The battery and power supply status
- The controller housing security (in case the housing could be vandalized)
- The presence or absence of alarms
- The system date and time
- The number of operators connected to the controller
- The number of users in the building

Main menu

Available in English, French, German, Spanish, Dutch, Italian, Portuguese and Danish.



One click, and you will be able to:

- Navigate through the menu
- Visualize the events recorded
- Give the order to open a door
- Lock and unlock the doors



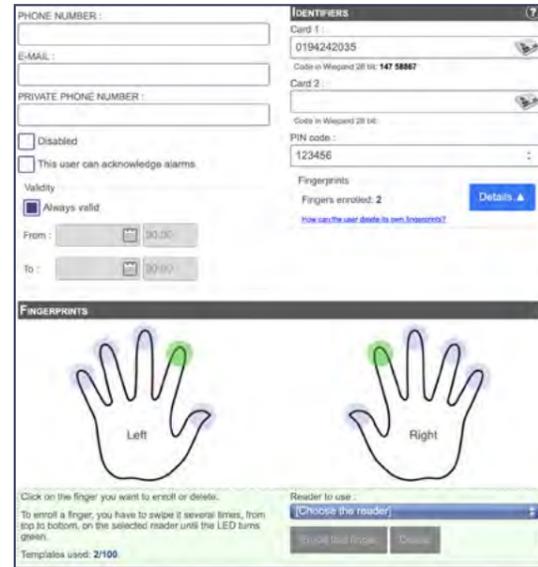
## Main Advantages of the System

- 100% Webserver, no dedicated PC required.
- All the Access system can be managed from anywhere in the world, via the Internet.
- Very easy to install and to use.
- Compatible with any internet browser (Explorer, Safari, Google Chrome, Mozilla, etc.)
- Created to manage several doors with different readers, the system can be extended to 20 doors, managing 2500 users and 250 access groups (categories).
- Once installed, the system is 100% standalone.
- XPR RS485 compatible readers for bi-directional communication allowing to have a complete technical supervision of the system (4 wires only to ease installation and possibility to install 2 readers per bus).
- The controller has TCP/IP connection (10/100/1000 Base-T – HTTP or HTTPS), so providing a very secure connection to reassure end users and installers.
- Our WS4 system is supplied with a new universal metal enclosure allowing to fit and mix and match any controller models required for the installation (WS4-1D-E, WS4-2D-E or WS4-4D-E).
- New enclosure supplied with 5A PSU allowing to power the complete system (controllers + readers + locking devices).
- It's a very versatile solution, being possible to control and combine different options: a door with anti-passback + another one without it, several doors with different functions...
- Webserver alarm function which enables to send an automatic email to the installer or end user according to their access levels warning them of an alarm on the system (door forced, door opened too long, power supply malfunction, etc.)
- WS4 system also works with biometry technology and the set-up and management of these readers can be easily done with the WS4 interface.
- It is possible to connect an alarm panel which can be armed and/or disarmed very easily from our sleek MTPADPBK-RS-EH reader/keypad and does not require any specific knowledge or previous training.
- Adaptive web format: adapts to the format of your equipment (Responsive Web Design).





The main menu gives direct access to the user list. Creating and modifying users is then accessible. The list of information displayed may be configured. Users can be imported from an existing CSV file and exported for another use.



### “User” sheet (2500)

This contains the essential items for identifying users and granting access rights.

- Their surname and name
- Up to 5 open customizable fields
- Their authorized dates and times
- 3 access categories
- Set-up and management of biometric user fingerprints (max 4 fingerprints per user; 100 per installation).
- Their 2 cards and their PIN code

Users may be deactivated in a single click. Activating an option enables a user to deactivate system alarms using their badge.

### Defining time frames (50)

Define periods during which access is allowed. There is a time frame for each day of the week and a time frame for days established on the calendar as days off or days on which the company is closed. 3 active periods can be set for each daily range.

### 10 operators to manage the system

A list of 10 operators is available. 1 of the 4 rights can be assigned to each operator. In addition to temporarily deactivating an operator, 4 management rights are available:

- Total control (Administrator)
- Equipment installation
- Access control management
- System monitoring

### Defining categories (250)

This contains the essential items for defining access rights.

- The category name (Access group)
- The doors to which this category gives access
- The time frame during which access is allowed
- 2 override options:
  - blocking during forbidden periods
  - the anti-pass-back function

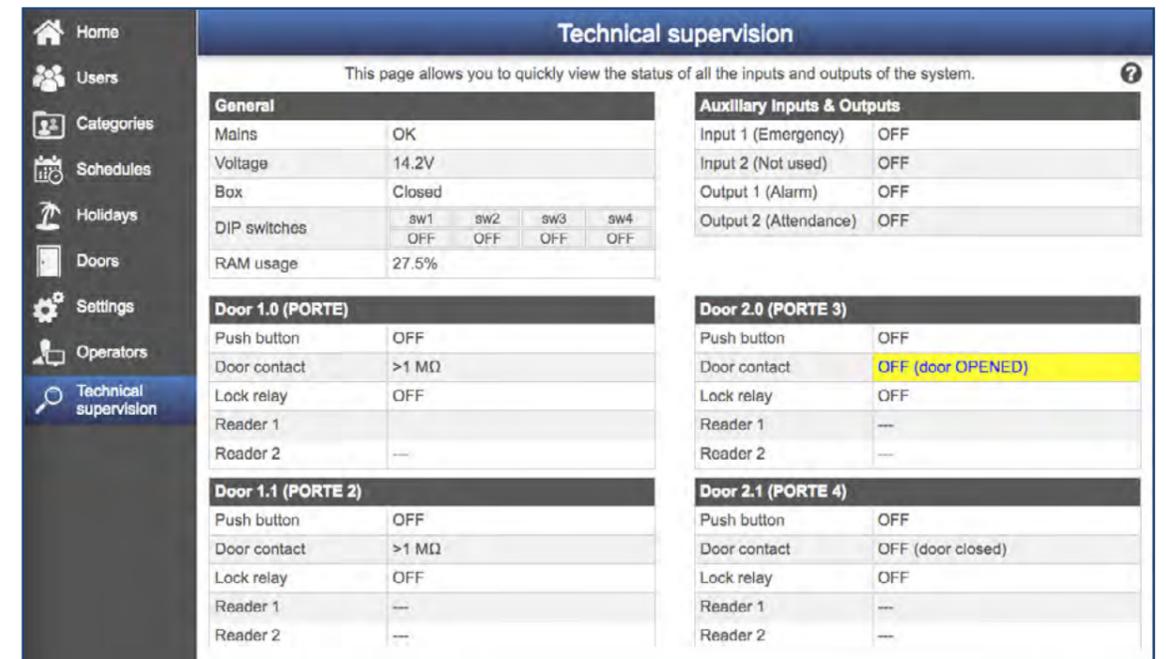
### Days off - Calendar

Days off can be set. On these dates, the active daily range in the categories will be that for days off. Individual days or established dates which are repeated yearly can be set. For example, public holidays.

### License plate recognition (LPR)

The WS4 web server allows, among many other functions, the recognition and validation of license plates in connection with an LPR camera with Wiegand output.

To facilitate operation and maintenance, this screen shows all technical parameters and the status of each external connection of the system.



### General information

- Power supply status
- Power supply voltage input on the WS4
- The status of the protective contact of the casing
- The status of the configuration dip-switches
- Internal memory usage status

### For each door

- The status of the push button
- The status of the door contact
- The control status of the locking system
- Connection status with readers

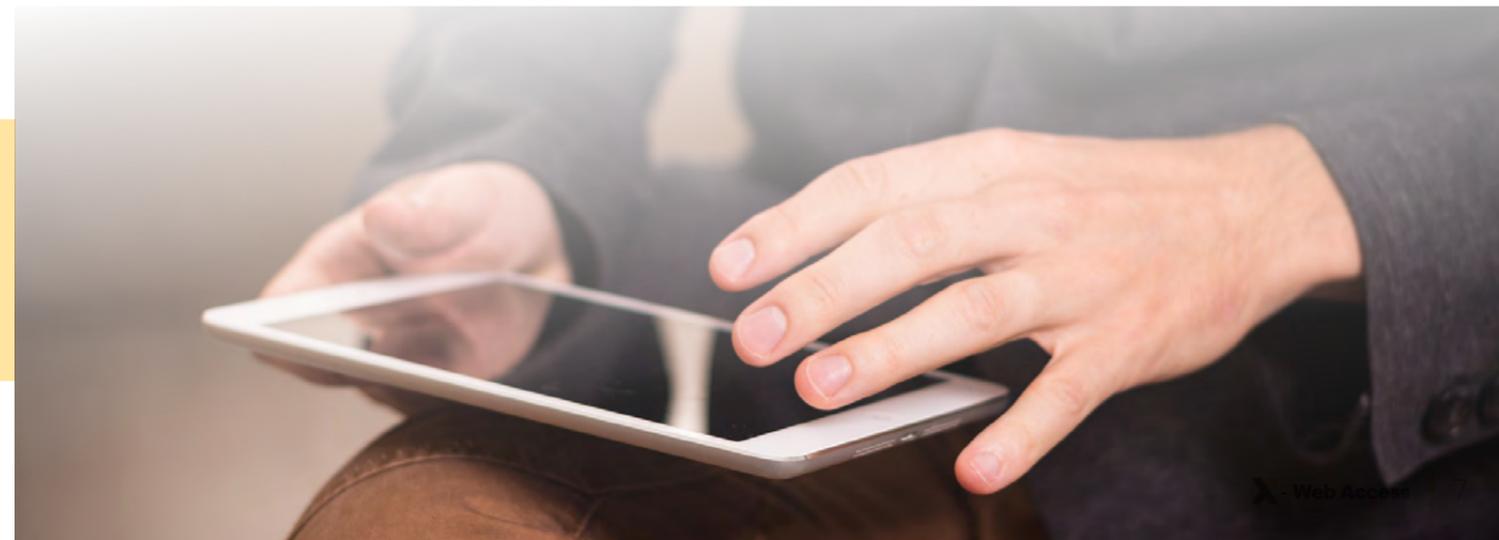
### For inputs and outputs

- The status of the two inputs
- The status of the two outputs

### Flexible technical configuration

The configuration screen provides access to various features. System information is displayed on this screen.

- Network configuration
- Date and time
- “System” options
- Wiegand readers
- Auxiliary inputs and outputs
- “User” options
- Backup and update
- Mail service configuration
- Restore a backup
- Firmware update
- System log
- Alarm function

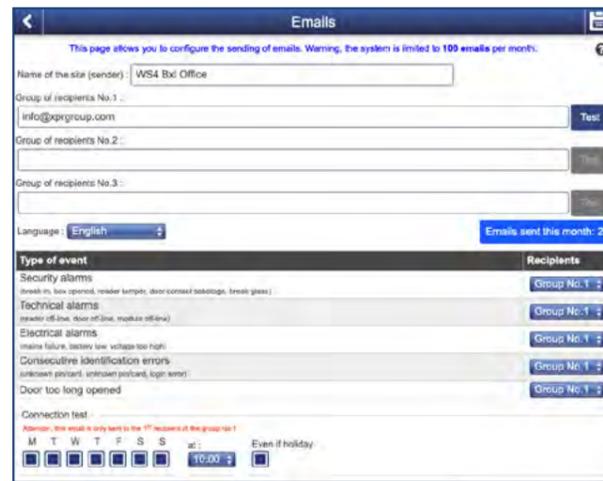


## Free Configurable Mail Service

The system can be configured to send automatic emails in any of the following cases:

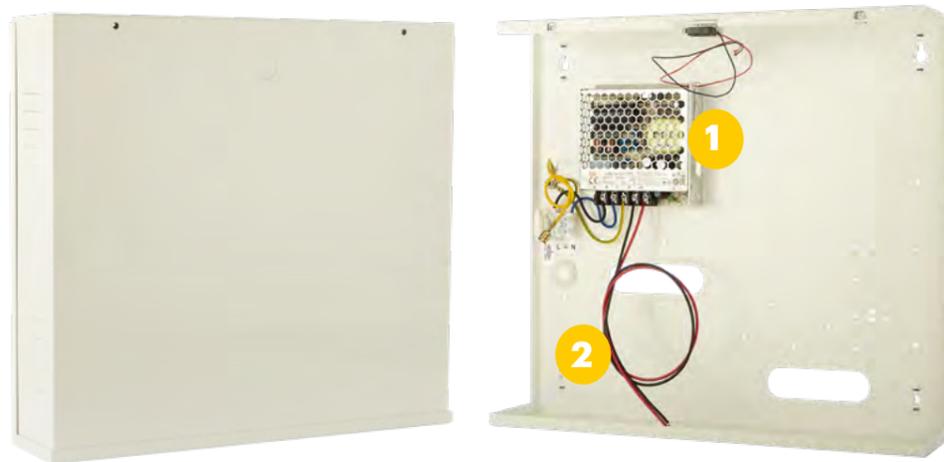
- Security Alarms (break-in, box opened, reader tamper, door contact sabotage, break glass)
- Technical Alarms (reader off-line, door off-line, module off-line)
- Electrical Alarms (mains failure, battery low, voltage too high)
- Consecutive Identifications Errors (unknown pin/card, login error)
- Door too long opened
- The control status of the locking system
- Connection status with readers

It is also possible to configure the mail service to receive a «Daily Email» as a «Connection Test».



## Secure and resistant housing with power supply

White aluminium housing, that includes a 5A power supply able to feed the complete access installation.



**WS4-PS5**

\* White aluminium housing: 356 x 90 x 325 mm

- 1 Electrical power supply: Output : 15 VDC/5A  
Input: 120 to 240 V AC; frequency 50/60 Hz, 100 VA-1.52A with fuse (1 A)
- 2 Space for rechargeable 12V / 7Ah battery with reverse polarity protection. Low battery detection and anti deep discharge.

WS4-PS5 is a universal metal enclosure, specially created for our Web Access products, with power supply included. It can be used to include more than one Web Access product inside, like two webserver controllers or two relay boards to work with the webserver controller. So there is no need to have a different enclosure for each new product that you want to add to your webserver installation.

## Common features to all the WS4 controllers



	WS4 Controllers
<b>Number of users:</b>	2,500 users
<b>Access groups:</b>	250 (categories)
<b>Weekly schedules:</b>	50
<b>Stored events:</b>	50,000
<b>Operators:</b>	10
<b>If door contact is present, option for:</b>	Break-in alarm - Door open too long alarm - Max. open time: 15 - 999 s - Pre-alarm time (reader buzzer): 0 - 99 s
<b>Free access period:</b>	with "Only if someone is inside" option
<b>Connectivity:</b>	TCP/IP 10/100/1000 Base-T mode DHCP (default) or fixed. HTTPS connection with XPR certificate.
<b>Real-time and maintenance status:</b>	View of the general status of the system View of door status
<b>Import and Export:</b>	Import and export users as .csv file (separated by TAB)
<b>Easy saving of data:</b>	On a USB key, in the WS4 or on the user interface
<b>Additional configuration:</b>	Anti-Passback and Anti-Passback Time (0-99 min) Mantrap function on all doors
<b>Voltage:</b>	5A (120 - 240 V AC at 50/60 Hz, 100 VA-1.52 A with 1A fuse)
<b>Wiegand readers connection:</b>	Yes, via Wiegand to RS485 converter - WS4-CNV
<b>Operating temperature:</b>	0°C to +50 °C
<b>Operating humidity:</b>	0% to 85% (without condensation)
<b>Tamper:</b>	Yes, built-in

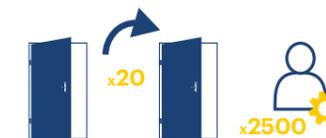
### Accessible from anywhere in the world

- No software to install or download. No dedicated PC.
- Access your WS4 via Internet.
- It can be used with all types of device: PC, Mac, Smartphone, iPhone, Tablet, iPad.
- It adapts to the format of your equipment (Responsive Web Design).



### Easy to install and to expand

- Created to manage a number of doors with different readers, the system can be extended to 20 doors, managing 2500 users and 250 access groups (categories).



### Reduced installation time

- The readers work with RS485 outputs, establishing a double communication between the readers and the controller, and reducing the number of wires needed in the installation.
- The controller works with TCP/IP connection (10/100/1000 Base-T - HTTP or HTTPS).
- The power supply is connected to the controller, simplifying the wiring connection of locks and magnets.



## Particular features of each WS4 controller

	WS4-1D	WS4-2D	WS4-4D
<b>Door Relays:</b>	1 (2A/48 VAC/DC)	2 (2A/48 VAC/DC)	4 (2A/48 VAC/DC)
<b>Input-Output:</b>	-	2 inputs: emergency, vehicle detection 3 outputs: alarm, storing alarm status, presence	2 inputs: emergency, vehicle detection 2 outputs: alarm, storing alarm status, presence
<b>Possible combinations:</b>	a) 1 door with 1 reader and 1 push button b) 1 door with 2 readers (In and Out)	a) 2 doors with 1 reader and 1 push button b) 1 door with 2 readers, for entry and exit	a) 4 doors with 1 reader and 1 push button b) 2 doors with 2 readers, for entry and exit c) 1 door with 2 readers, for entry and exit, + 2 doors with 1 reader and 1 push button
<b>Electronics:</b>	WS4-1D-E	WS4-2D-E	WS4-4D-E
<b>Electronics dimensions:</b>	130 x 86 x 18 mm	130 x 86 x 36 mm	116 x 195 x 33 mm



**WS4-1D-E**  
WS4-1D electronic



**WS4-2D-E**  
WS4-2D electronic



**WS4-4D-E**  
WS4-4D electronic

## Modular system

The WS4 system can be extended easily up to 20 doors by adding more controllers, with their corresponding electronics, and extenders to the installation.

They can be grouped in WS4-PS5 housings, saving time and space in the installation.



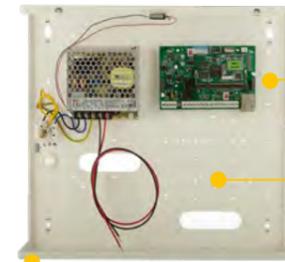
## Door programming

Indicating the presence of a door contact makes it possible to activate an alarm:

- in the event of a breach
- in the event of a door opened for too long

This door contact can also be monitored (4-state contact). In the event of a short circuit or interruption of its connection, an alarm is activated.

### Possible combinations with the WS4-1D



WS4-1D-E  
1 door webserver controller electronic

Space for another WS4-1D-E if wanted or a WS4-2D-E electronic

WS4-PS5, universal housing

#### + Option 2: To add an extender

a) with our extender, the WS4-EXT, to convert the 1 door controller into a 2 doors controller.

b) with the combination of more webserver controller electronics and readers



WS4-EXT, extender that can be added to the WS4-1D-E electronic to convert it into the WS4-2D-E (electronic for the 2 door webserver controller)

#### Combination 1

1 door with 1 reader and 1 push button



#### Combination 2

1 door with 2 readers (In and Out)



WS4-2D-E  
2 door webserver controller electronic

WS4-PS5, universal housing

**Note:** All these possible combinations of adding more WS4 controller electronics and extenders can be applied also to the WS4-2D and WS4-4D, with the only difference that we start from a more extended installation than with the WS4-1D.

### 2 possible combinations with the WS4-2D



#### Combination 1

2 doors with 1 reader and 1 push button



#### Combination 2

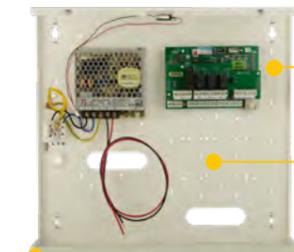
1 door with 2 readers (In and Out)



#### + Options to expand the installation

with the combination of more webserver controller electronics and readers

E.g.



WS4-2D-E webserver controller electronic

Space for another WS4-2D-E if wanted

WS4-PS5, universal housing

### 3 possible combinations with the WS4-4D



#### Combination 1

4 doors with 1 reader and 1 push button



x 4

#### Combination 2

2 doors with 2 readers, input and output



x 2

#### Combination 3

1 door with 2 readers, input and output, and 2 doors with 1 reader and 1 push button.



x 2

#### + Options to expand the installation

with the combination of more webserver controller electronics and readers, as we've seen in the previous cases, with the WS4-1D and WS4-2D.

All WS4 solutions can be extended to 20 doors



- up to 5 cm
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 0.5 m
- 65

#### MTPADP-RS-EH

EM & HID Keypad and RFID reader

This double technology reader, in black ABS, offers a double access security: via code and via card. It can be installed either outside or inside. It comes with a RS485 bus and a backlight keypad. Its LEDs, tamper and buzzer are managed directly by the WS4. It can read EM or HID 125 kHz cards, depending on the programming selected.

Ref: MTPADPBK-RS-EH



#### MTPADP-RS-MF

Mifare Keypad and RFID reader

This double technology reader, in black ABS, offers a double access security, including a keypad and a compact 13.56 MHz reader. It can be installed either outside or inside. It comes with a RS485 bus and a backlight keypad. Its LEDs, tamper and buzzer are managed directly by the WS4. It can read Mifare Classic, Desfire and Ultralight.

Ref: MTPADPBK-RS-MF



- up to 5 cm
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 0.5 m
- 65

## Readers - Web Access



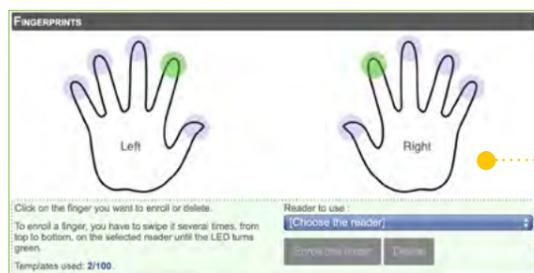
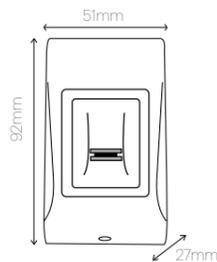
- Swipe
- up to 5 cm
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 0.5 m
- 65

#### B100P-RS-EH

Fingerprint and RFID reader with RS485 output

Elegant and compact biometric swipe capacitor reader with RFID technology of 125 kHz. The housing, in black ABS, comes with a big rectangular LED. Designed to be installed either outside or inside, it has a RS-485 bus. Its tricolor LED, tamper and buzzer are managed directly by the WS4 controllers. It can read fingerprints and EM or HID 125 kHz cards, offering a double access security.

Ref: B100PBK-RS-EH



#### WS4 Interface - Biometry

You can set up your WS4 biometric readers and fingerprints enrolment process via our easy tool adding many additional possibilities. There is a capacity of 4 fingerprints per user and 100 per installation.



- up to 5 cm
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 0.5 m
- 65

#### MTPX-RS-EH

EM & HID RFID reader

Elegant and compact 125 kHz RFID reader. The housing, in black ABS, comes with a big rectangular LED. Designed to be installed either outside or inside, it has a RS485 bus. Its tricolor LED, tamper and buzzer are managed directly by the WS4. It can read EM or HID 125 kHz cards, depending on the programming selected.

Ref: MTPXBK-RS-EH





- up to 6 cm
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 0.5 m
- 65

### MTPX-RS-MF

#### Mifare reader

Elegant and compact 13.56 MHz reader. The housing, in black ABS, comes with a big rectangular LED. Designed to be installed either outside or inside, it has a RS485 bus. Its tricolor LED, tamper and buzzer are managed directly by the WS4. It can read Mifare Classic, Desfire and Ultralight.

Ref: MTPXBK-RS-MF



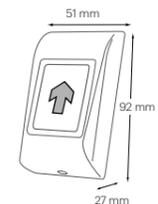
- 20°C /+50°C
- 0% → 95%
- 12-24 VDC
- 0.5 m
- 65

### MTT

#### Sensitive Push Button

The MTT sensitive touch button is an entirely electronic, non-mechanical and ergonomically designed access control device. It can either function as an independent manually-controlled push button or alternatively, be connected to a controller to facilitate access from a secure area.

Ref: MTTBK



## Readers - Web Access



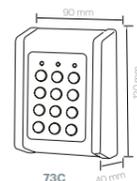
- up to 7 cm
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 
- 65

### LCSP-RS-EH

#### EM & HID Keypad and RFID reader with RS485 Output

This robust double technology reader provides a double access security: by code and by card. Designed to be installed either outside or inside, it is available in a variety of metal and ABS housings. It can be surface or flush-mounted. It has a RS485 bus and a backlight keypad. Its LEDs, tamper and buzzer are managed directly by the WS4. It can read EM or HID 125 kHz cards, depending on the programming selected.

Ref: LCSP-RS-EH-43B/ LCSPM-RS-EH-43B/ LCSP-RS-EH-73C/ LCSPM-RS-EH-73C/LCSP-RS-EH-103A/ LCSPM-RS-EH-103A



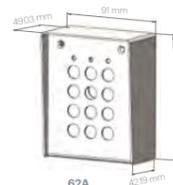
- 20°C /+50°C
- 0% → 95%
- 9-14 VDC
- 
- 65

### LCS-RS

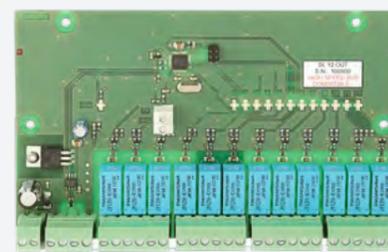
#### Keypad with RS485 Output

This robust keypad can be either installed outside or inside. It is available in a wide variety of ABS and metal housings, allowing to choose between a surface or a flush-mounting. It comes with a RS485 bus and a backlight keypad. The LEDs, tamper and buzzer are managed directly by the WS4.

Ref: LCS-RS-43B/ LCSM-RS-43B/ LCS-RS-72C/ LCSM-RS-72C/ LCS-RS-102A/ LCSM-RS-102A/LCS-RS-62A/ LCSM-RS-62A



## Modules and Converters - Web Access



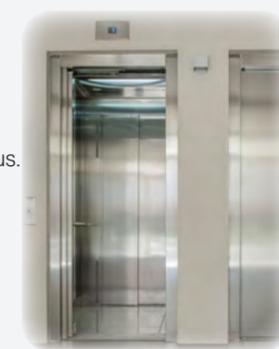
### WS4-RB

#### 12 output industrial expansion board

The WS4-RB board is an expansion module compatible with the RS-485 and IP head-end local communication bus.

- RS-485 connection on local bus
- 12 outputs: Relay with 2 NO 2 A - 48 V contacts
- Power supply: 13.8 DC min. 20 mA - typical 250 mA - max. 300 mA
- Led signalling for output status
- Plug-in terminals

Ref: WS4-RB-E



Lift control



### WS4-CNV

#### Universal interface

This interface makes it possible to connect any type of reader (Wiegand, Data/Clock ISO2, Dallas, and RS-232) on the WS4.

- Power usage without external element: 30 mA
- 13.8V DC output: max. 200 mA
- Input auto protection

Ref: WS4-CNV

## Accessories



### 13.56 MHz Fobs & Cards

#### Fobs & cards

13.56 MHz cards (1 KB & 4 KB).

Formats available: NISO and ISO cards (printable) and fobs in ABS.

Fobs colours: grey, black, blue, red or green.

Ref: PBX-1E-MS 50/PBX-2-MS50/PBX-2C-MS50/PBX-2-MS70



### 125 KHz Fobs & Cards

#### Fobs & cards

125 kHz RFID cards (EM4100 & 4200).

Formats available: NISO and ISO cards (printable) and fobs in leather or ABS.

Ref: PBX-1E/PBX-1C/PBX-2/PBX-2C

### Symbols legend



EM



Mifare



Biometry



Terminal Block



Wiring



Voltage



Operating temperature



Operating humidity



IP Protection



USB

# Web Access



## **New Internet website, [www.xprgroup.com](http://www.xprgroup.com)**

We invite you to visit our website to find out more info about our products.

Ref: CATALOG\_WEBACCESS\_EN\_v4

