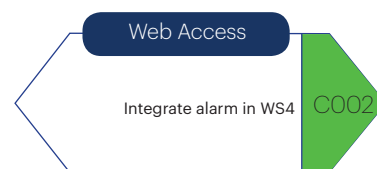
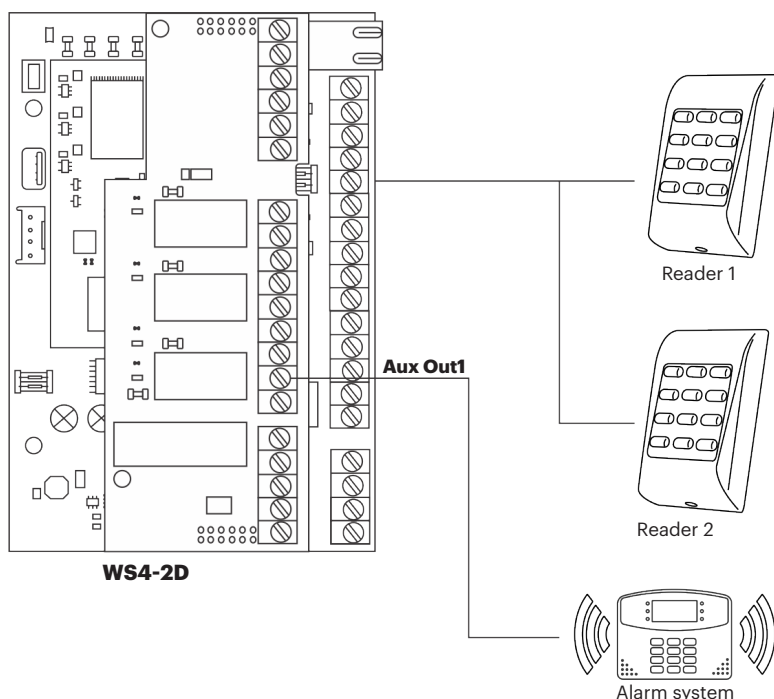


## APPLICATION NOTE



When the first user is entering the premises, the Alarm will be automatically disarmed, when the last user is leaving the premises, he types a PIN Code, all the readers are beeping, and after the beep the Alarm is armed. The delay after typing the PIN Code can be set from 5 to 60 seconds. In the same period the readers are beeping, indicating that the alarm system will be turn ON. This signal warns users that could possibly still be inside, that the alarm will soon be armed. They must then quickly identify themselves on one of the readers of the installation. At the end of the selected time, if no one has manifested, the presence relay is switched off. Firmware for this option is 2.30 and higher.

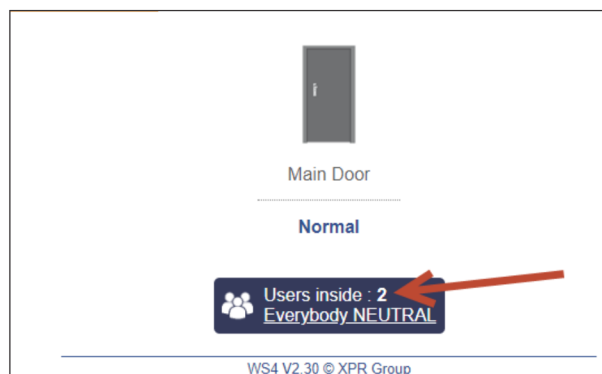
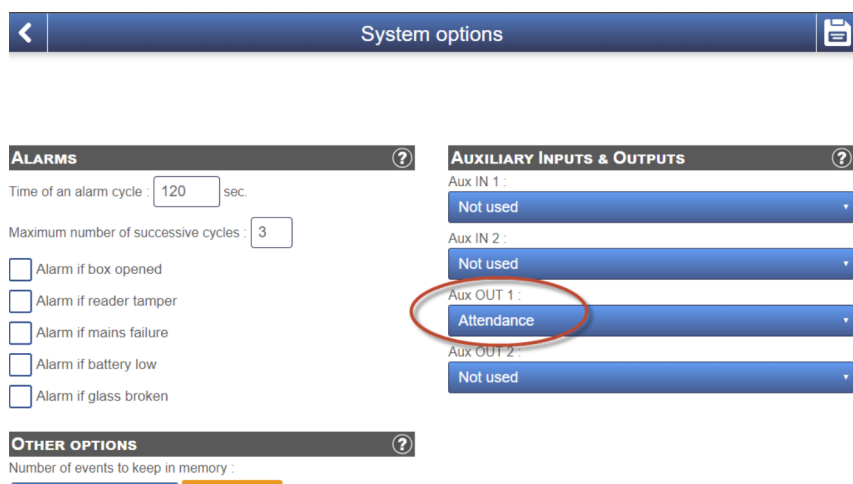
### WIRING



For alarm application you need one or two Keypad+Proximity readers. Connect the alarm system to the Output 1.

### SETTINGS IN THE SOFTWARE

Make the auxiliary Output 1 to be activated by "Attendance". With this, the Output will be activated as soon as there is at least one person in the premises (first man in), and it will deactivate when the premises are empty (last man out). Go to **Settings/System options** and for Aux Out 1 select "**Attendance**".



If you use two readers (in and out), set the first as “Input” and the other as “Output”. It is the best if you put the readers in Anti-Pass back, so the counting of the users would be correct.

The screenshot shows the 'Main Door' configuration interface. It has two columns of settings. The left column contains 'GENERAL' and 'READER A' settings. The right column contains 'DOOR CONTACT', 'FREE & FORBIDDEN PERIODS', and 'READER B' settings. In the 'GENERAL' section, 'Location' is set to 'Input / Output' and 'Anti-passback (APB)' is checked. In the 'READER A' section, 'Location' is set to 'Input'. In the 'READER B' section, 'Location' is set to 'Output'. Both readers have 'Card' set to '125kHz (EM4100)'.

If you use one reader, put it as “Input”.

This screenshot shows the 'Main Door' configuration interface with only one reader, 'READER A'. The 'Location' for 'READER A' is set to 'Input'. The 'Anti-passback (APB)' checkbox is checked. The 'Card' type is '125kHz (EM4100)'.

Go to **Settings/User options** and set the **PIN Code** that will be used for arming the Alarm. It is actually **Reset Code** for attendance. As soon as it is typed, the Attendance will go to 0 and Aux Output 1 will be deactivated. You can select the time how long the delay would be for the alarm, by selecting the time for “Buzzer when the last person leaves”.

The screenshot shows the 'User options' configuration page. It has two main sections: 'USER FORM' and 'ATTENDANCE'. In the 'ATTENDANCE' section, 'Reset time' is set to '23h 30', 'Buzzer when the last person leaves' is set to '10 sec', and 'Reset code' is set to '11122'. The 'Reset code' field is circled in red.

## HOW TO USE ALARM CODE

When the first user is entering the premises, the Alarm will be automatically disarmed, when the last user is leaving the premises, he types a PIN Code, to arm the alarm.

He can type the code from both Input Reader and Output Reader.

He should first type the PIN Code, then use his card to leave on the Output Reader.

The operation of arming the alarm can be stopped, by anyone who will present valid card on any reader.

When the beeping of the reader stops, then the alarm is armed. The beeping of the readers (the arming delay) can be selectable from 5 to 60 seconds.

If you want to change the PIN Code length, go to Settings/Configuration of readers.

The screenshot shows the 'Configuration of the readers' interface. It has a blue header with a back arrow and a save icon. Below the header, there are two main sections: 'WIEGAND / HID FORMATS' and 'OTHER OPTIONS'. The 'WIEGAND / HID FORMATS' section has four format options: Format 1 (32 bits: RAW), Format 2 (26 bits: RAW), Format 3 (26 bits: P[e:2-13] | Code:24b | P[o:14-25]), and Format 4 (26 bits: P[e:2-13] | Site:8b | Code:16b | P[o:14-25]). There is also a 'Site' input field. The 'OTHER OPTIONS' section is highlighted with a red circle and contains 'Keypad code of fixed length' set to '5 digits' and 'Backlight' set to 'ON'.

If you are using Anti-pass back, make sure that the Users are in a category that is subject to Anti-pass back. Please note that by default, Full Access category is not subject to Anti-pass back.

The screenshot shows the 'FULL ACCESS' configuration interface. It has a blue header with a back arrow, a trash icon, and a save icon. Below the header, there are three main sections: 'GENERAL', 'SCHEDULE', and 'DOORS'. The 'GENERAL' section is highlighted with a red circle and contains 'Name of the category' set to 'FULL ACCESS' and a checkbox for 'NOT subject to Anti-passback' which is checked. The 'SCHEDULE' section contains 'Weekly schedule' set to '24h a day, 7d a week' and a checkbox for 'Allowed during forbidden periods' which is unchecked. The 'DOORS' section contains a 'List of authorized doors' with a checkbox for 'All the doors' (checked) and a checkbox for 'Main Door' (unchecked). A warning message is displayed below the 'All the doors' checkbox: 'Warning, if this option is checked, even the doors that will be created later will be allowed.' At the bottom, there is a footer that reads 'WS4 V2.30 © XPR Group'.