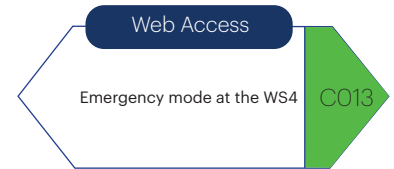


APPLICATION NOTE



Emergency mode will unlock all the doors at the WS4 Controller in case of fire, earthquake, etc, etc. The contact connected to Aux IN 1 & 2 can be either normally open (NO) or normally closed (NC). Also those contact can be connected with the fire alarm system, burglary alarm system, or any other early warning system.

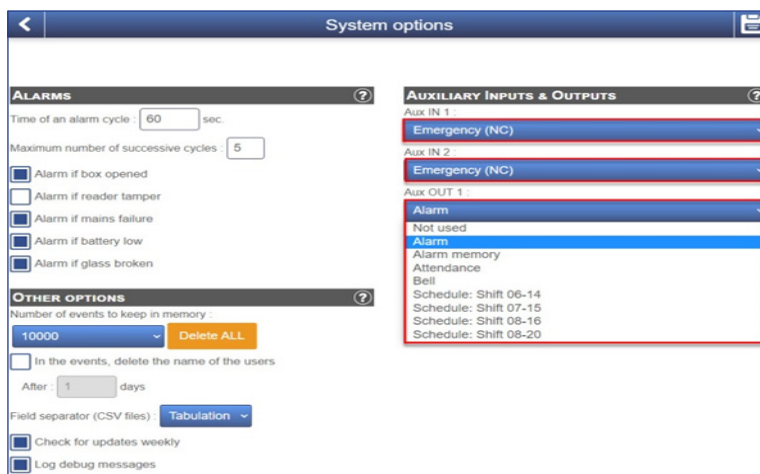
1. Go to Settings/System option and select witch AUX IN in can be used for Emergency mode and witch AUX OUT can be used for early warning system.

WS4 have two AUX IN. The contact connected to these inputs can be either normally open (NO) or normally closed (NC). AUX IN 1 and AUX IN 2 have different option for use and they can be configured.

- **Emergency:** Allows activating the Emergency mode, which will unlock all the access having the option Unlock if emergency checked.
- **Break glass:** Allows generating an alarm Break Glass. This function is only useful when using an electromagnetic lock. In this case, it is recommended, for security reasons, to place a glass break button to be able to interrupt the supply voltage of the lock in case of need. This input allows the WS4 to be informed that the glass has been broken, and then generate an alarm. Attention, a two-circuit glass breakage system must be used: one to turn off the power of the lock, the other to inform the WS4. Furthermore, if several electromagnetic locks are used, the contacts for the detection must be wired in series.
- **Note:** It is also possible to use the auxiliary inputs as vehicle detection.

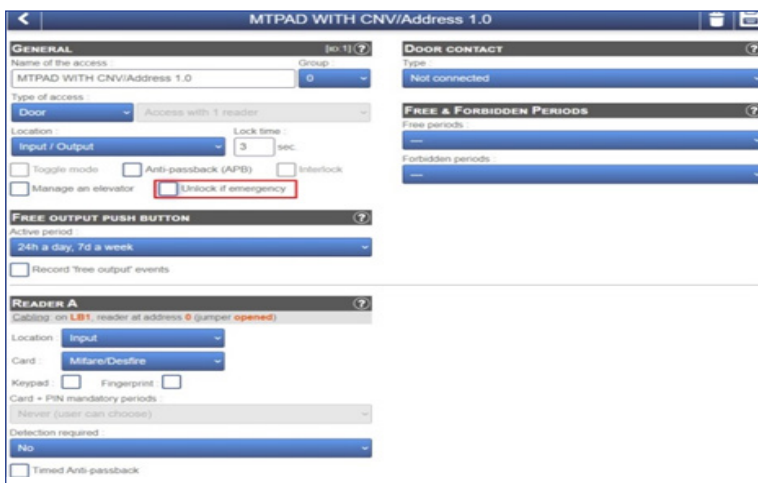
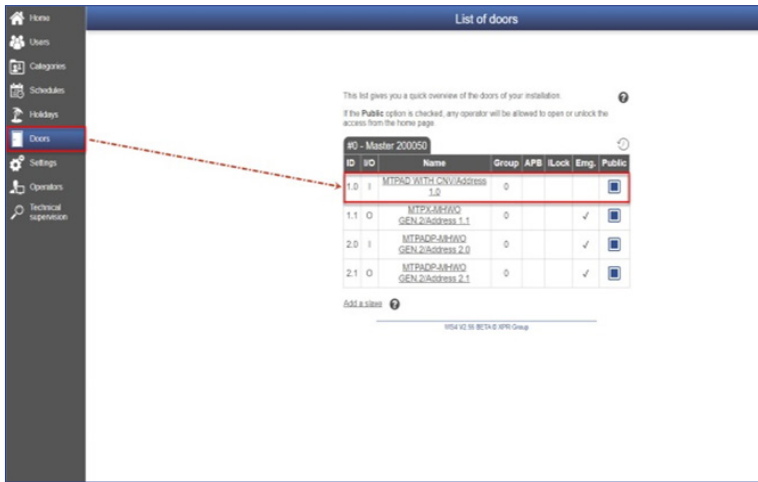
WS4 have two AUX OUT. The contact connected to these output can be set in order to have remote signalization in case of emergency. AUX OUT 1 and AUX OUT 2 have different option for use and they can be configured.

- **Alarm:** The relay will activate in case of alarm, for the Time of an alarm cycle.
- **Alarm memory:** The relay will activate from the first alarm and will remain active until the alarm memory is reset, which can only be done via the home page.
- **Attendance:** This function is only useful if the installation has access in Input / Output. The relay will activate as soon as the first user enters in the building and will switch off when the last user goes out. The fact of setting everybody in neutral also switches off the relay.
- **Bell:** The relay will activate for 1 sec. when pressing the bell button on one of the keypads of the installation.
- **Schedule:** The relay will activate during the active periods of the selected schedule.



2. Go to Doors and select witch reader need to be set to work in Emergency mode.

Section “Unlock if Emergency “need to be checked in order this reader to be programed to work in Emergency mode. Then click on”



3. Go to “Doors” section where all available doors are displayed.

At the main screen of doors, if reader is select to work in Emergency Mode, “Emg” section will be checked.

ID	I/O	Name	Group	APB	ILock	Emg.	Public
1.0	I	<u>MTPAD WITH CNV/Address 1.0</u>	0			✓	<input type="checkbox"/>
1.1	O	<u>MTPX-MHWO GEN.2/Address 1.1</u>	0			✓	<input type="checkbox"/>
2.0	I	<u>MTPADP-MHWO GEN.2/Address 2.0</u>	0			✓	<input type="checkbox"/>
2.1	O	<u>MTPADP-MHWO GEN.2/Address 2.1</u>	0			✓	<input type="checkbox"/>