Setting up a lockdown in PremiSys using triggers and procedures.

If you want to set up a lockdown the easiest way is to use the Lockdown/ Lockout feature, in some cases you will not be able to utilize the lockout feature. If you are trying to achieve multiple lockdowns in the same building you will have to use triggers and procedures, once a controller is part of a lockdown with the Lockdown/ Lockout feature you cannot create another lockdown from that controller.

To establish a lockdown using triggers and procedures, several setup requirements need to be addressed:

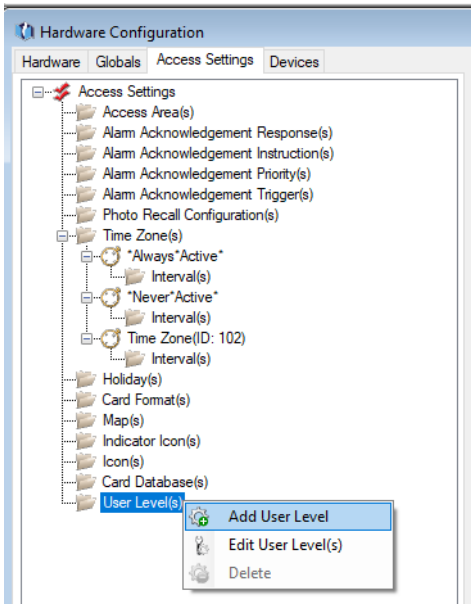
1. **User Level Slot:** Assign a specific user level designation to override cards. These override cards will continue to function during the lockdown period.
2. **Access Areas:** Create access areas to govern the lockout process. When an access area is disabled, regular cards will be denied access, while only override cards will be granted access during this disabled state.
3. **Door Configuration:** Ensure proper configuration of each door that is intended to be part of the lockdown.

4. **Monitor Point:** When this monitor point goes into alarm state it will lock down the doors you have set to lockdown.
5. **Triggers and Procedures:** Establish triggers and procedures that will deactivate the designated access area. For instance, you can utilize a monitor point connected to a push button. When the monitor point triggers an alarm, the corresponding area will be disabled. Create a trigger and Procedure that will enable override cards access while the area is in Lockdown\disabled.
6. **Override Cards:** Generate override cards specifically for the lockout. These override cards will remain functional while the area is under lockdown.
7. **Monitor and Control:** Utilizing the Lockdown in Monitor and Control.

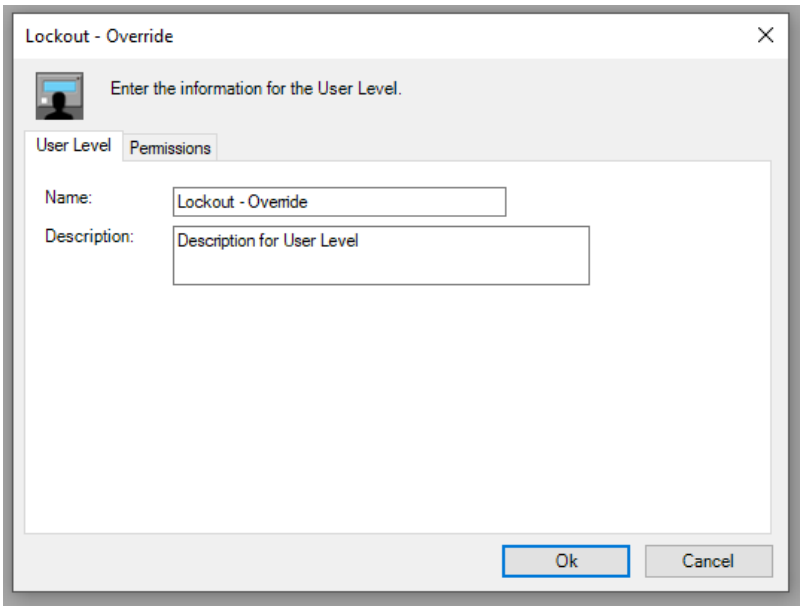
User Level Creation:

1. Launch PremiSys and navigate to: Tasks > Hardware Configuration > Access Settings Tab.

2. Right-click on the User Level folder and choose "Add User Level" from the dropdown menu.



3. Provide a name for the user level. For instance, let's use "Lockout-Override" in this example.



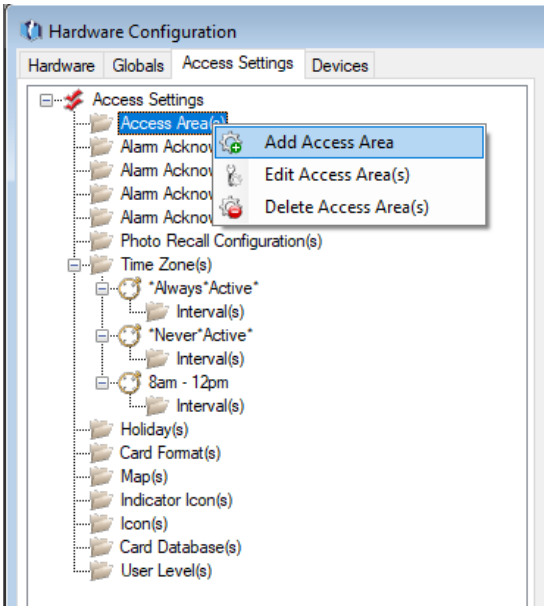
Once you have completed these steps, the user level will be created. You can now close the user level and proceed to the next step.

Access Area Creation:

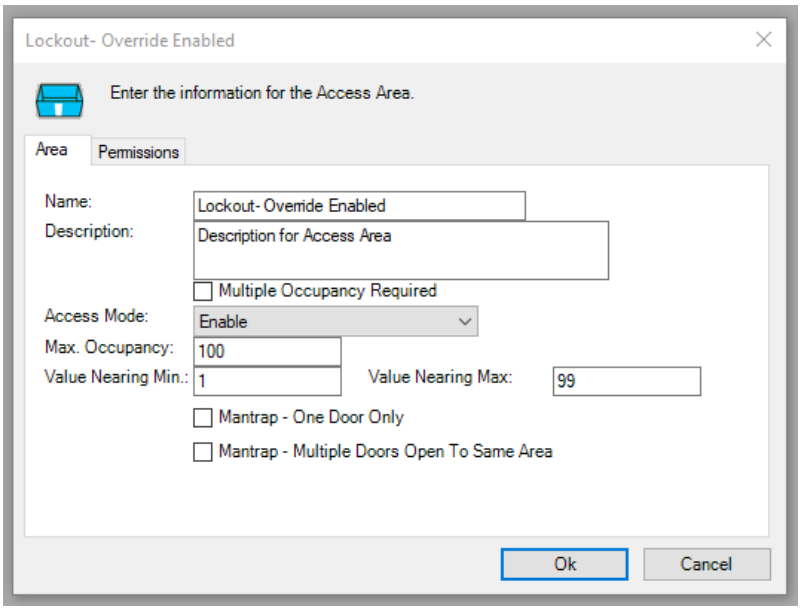
To create two access areas, please follow these steps:

1. Launch PremiSys and navigate to: Tasks > Hardware Configuration > Access Settings Tab.

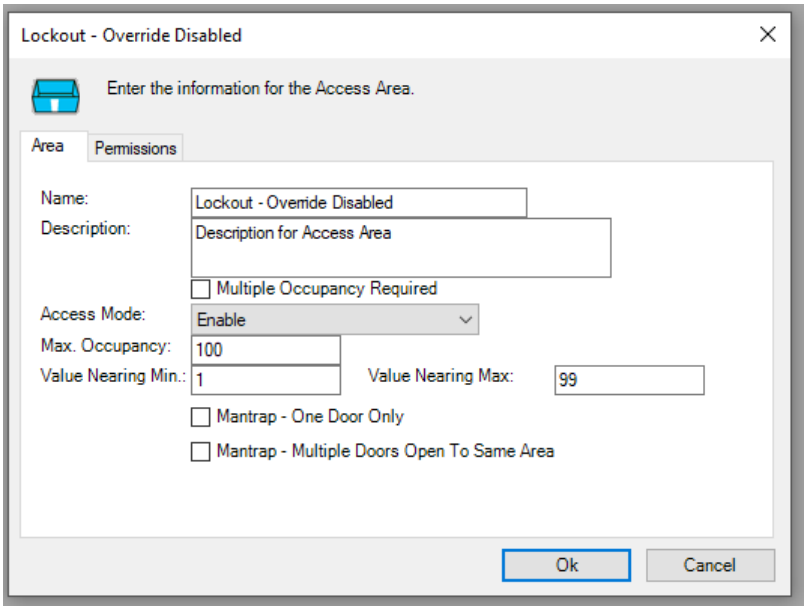
2. Right-click on the Access Area folder and select "Add Access Areas" as shown below.



3. Name the first access area "Lockout-Override Enabled." Ensure that the access mode is set to "Enable." Additionally, configure the Max Occupancy value according to your requirements. It is important to set a specific value for Max Occupancy.



4. Create a second Access Area and name it the Access Area "Lockout-Override Disabled." Ensure that the access mode is set to "Enable." Additionally, configure the Max Occupancy value according to your requirements. It is important to set a specific value for Max Occupancy.



Once you have completed these steps, the access areas will be set up and ready for use. You can now close the Access Area window and proceed to the next step.

Configuring Doors for Lockdown:

To configure doors for lockout, follow these steps:

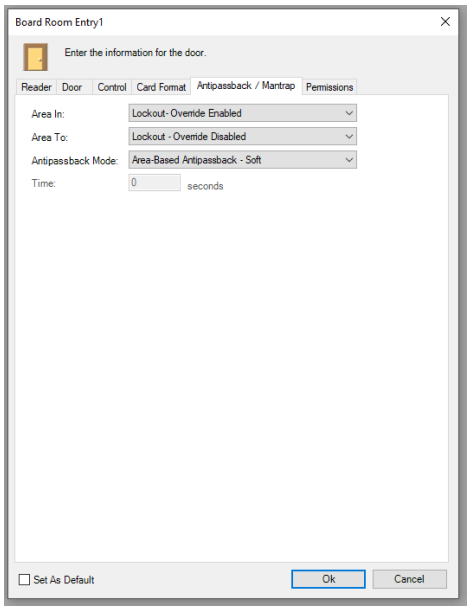
1. Launch PremiSys and navigate to: Tasks > Hardware Configuration > Hardware Tab.

2. Click on the Doors folder, and then double-click on the door you want to include in the lockout. This will open the door configuration/edit mode window.

3. In the door configuration window, select the "Antipassback/Mantrap" tab.

For this example, let's assume we are configuring the Board Room Entry 1 door.

Ensure that you apply the same configuration to all the doors you want to disable during the lockout, based on the access area settings you previously created.



Repeat these steps for the rest of your doors, configuring them with the same settings.

Setting up and Configuring Monitor Point:

a monitor point will be connected to a physical panic button. If the button is pressed the doors will go into lockdown state by disabling the Access Area configured on the doors. Follow these steps to create a monitor point.

1. Open PremiSys and navigate to: Tasks > Hardware Configuration > Hardware Tab.

2. Right-click on the Monitor Point folder and choose "Add Monitor Point."

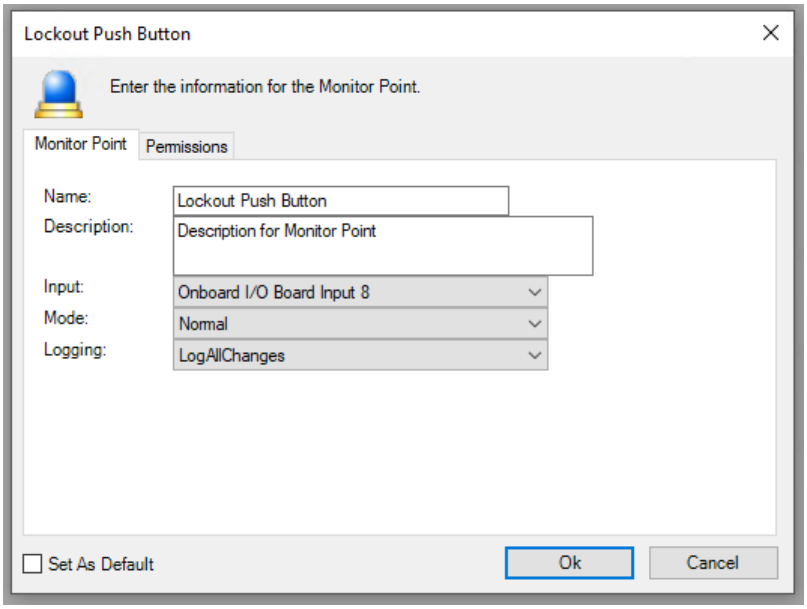
3. Provide a name for the monitor point to identify its purpose.

4. Input: Select the input where you will wire the physical panic button.

5. Mode: Set the mode to "Normal" to ensure the monitor point functions as intended.

6. Logging: Enable logging to track and record all changes made by the monitor point.

7. Click OK to save the monitor point configuration.



Triggers and Procedures setup.

The first trigger and procedure you will need is to setup for the Lockout override cards to work when the area is disabled/locked down.

> You will have to create a trigger and procedure for each door that is part of the lockdown, alternatively you can setup a group of doors. If you setup doors to a group, the override cards will momentarily unlock all doors in the group. This could be an issue with a true lockdown scenario.

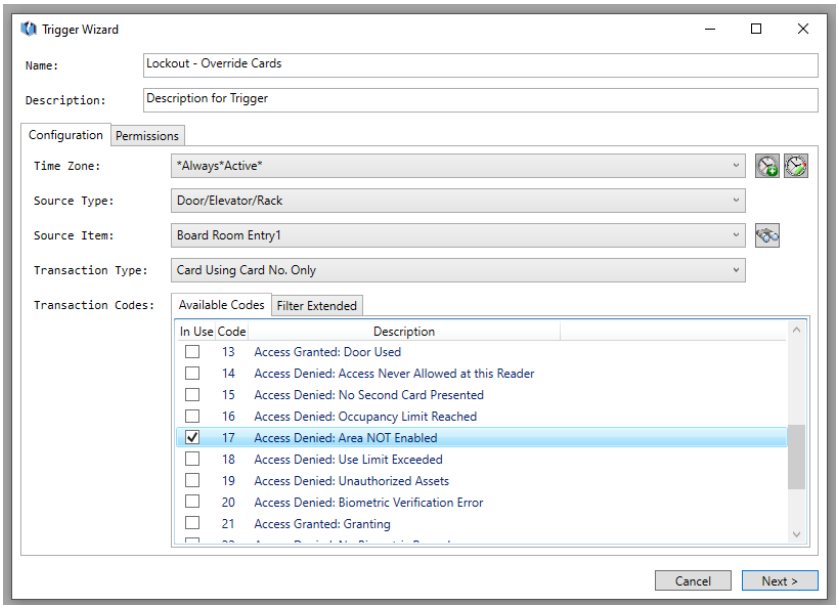
To enable lockout override cards to work when the area is disabled or locked down, follow these steps:

1. Open PremiSys and go to Tasks > Hardware Configuration > Globals Tab.

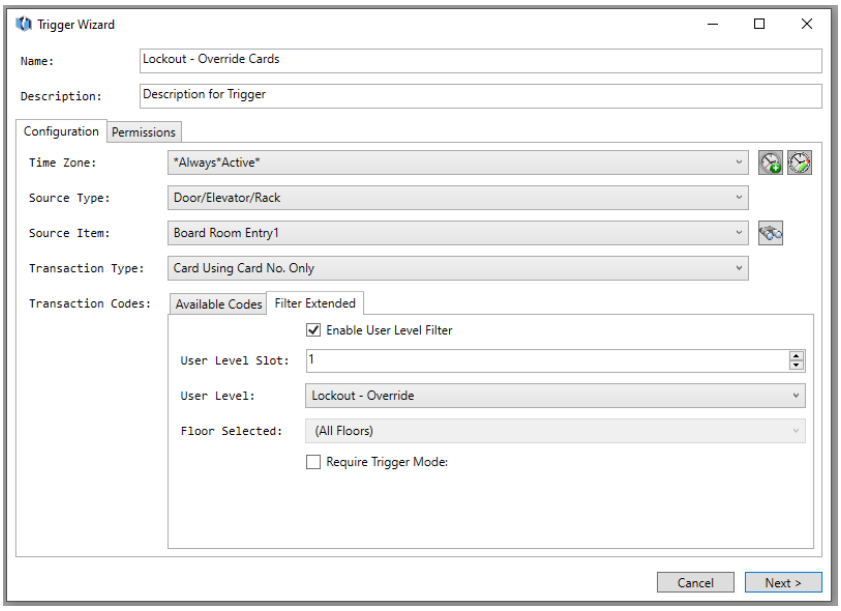
2. Right-click the triggers folder and select "Add Trigger" to open the trigger wizard window.

3. Configure the trigger as follows:

- Name: Choose a name for the trigger.
- Time Zone: Leave it set to "always active."
- Source Type: Select "Door/Elevator/Rack."
- Source Item: Choose the door that is part of the lockdown.
- Transaction Type: Select "Card Using Card No. Only."
- Transaction Codes: Check "17 - Access Denied: Area Not Enabled."



g. Click the "Filter Extended" tab, Check "Enable user level filter" checkbox, and select the desired user level slot (e.g., slot 1). Then select the User Level you created. Click Next.

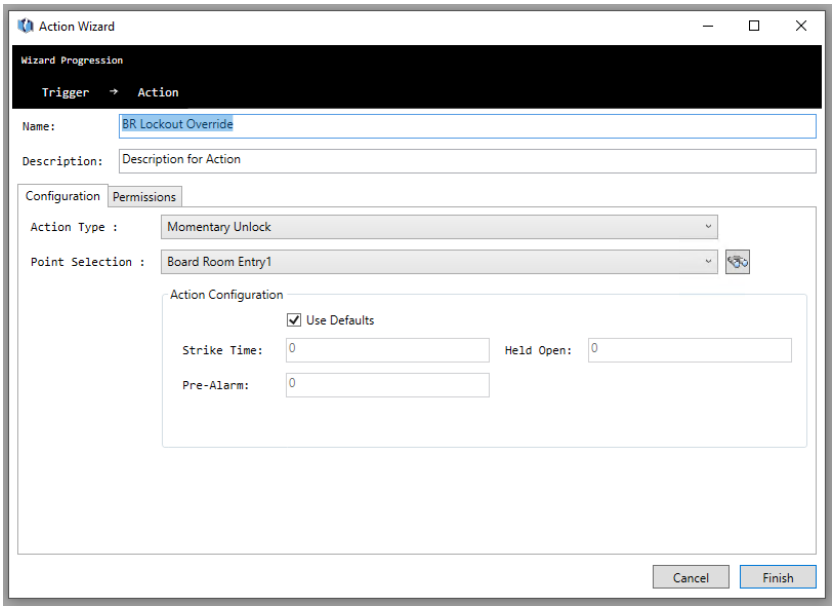


4. Create a new Procedure by clicking the "+" sign on the right-hand side and name it the same as the trigger.

5. In the Procedure window, click the "+" sign in the "Select Action Group(s)" section and name the Action Group the same as the trigger and procedure.

6. Click the "+" sign in the "Select Action(s)" section and configure the action as follows:

- Name: Use the same name as the trigger and procedure.
- Action Type: Select "Momentary Unlock."
- Point Selection: Choose the door where the override card should work.
- Action Configuration: Check "Use defaults" or set your custom values.



Click "Finish" until the wizard window closes.

Setup Lockdown Panic Button Trigger and Procedure:

> The example shows setting up a trigger for a monitor point. When a monitor point goes into alarm the Access Areas will go inactive. Once the area is disabled only override cards will continue working, regular access cards will get a transaction Access Denied: Area Not Enabled.

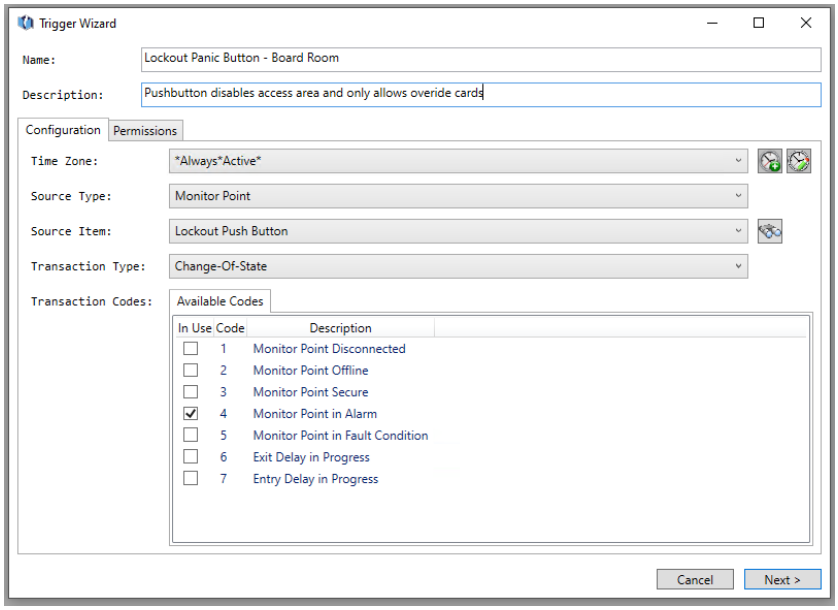
To set up a trigger for a panic button to lockdown the area, follow these steps:

1. Launch PremiSys and go to: **Tasks > Hardware Configuration > Globals Tab.**

2. Right-click the triggers folder and select "Add Trigger" to open the trigger wizard window.

3. Configure the trigger as follows:

- Name: Choose a name for the trigger.
- Time Zone: Leave it set to "always active."
- Source Type: Select "Monitor Point."
- Source Item: Select the previously configured monitor point.
- Transaction Type: Select "Change Of State."
- Transaction Codes: Check "4 - Monitor Point In Alarm."
- Click "Next."



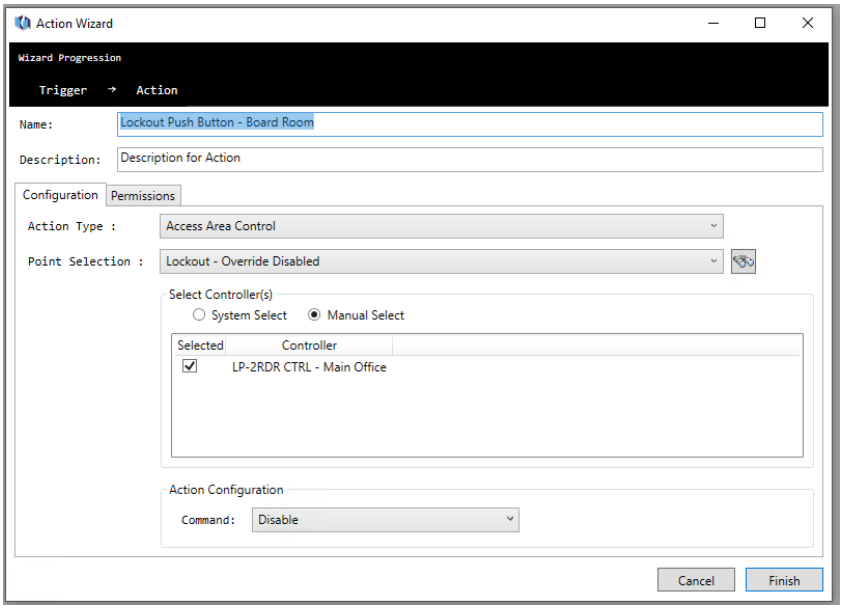
4. Create a new Procedure by clicking the "+" sign on the right-hand side and name it the same as the trigger.

5. In the Procedure window, click the "+" sign in the "Select Action Group(s)" section and name the Action Group the same as the trigger and procedure.

6. Click the "+" sign in the "Select Action(s)" section and configure the action as follows:

a. Name your Action the same name as the trigger and procedure name.

- Name: Use the same name as the trigger and procedure.
- Action Type: Select "Access Area Control."
- Point Selection: Choose "Lockout - Override Disabled."
- Select Controller(s): Manual Select.
- Check the controller where the access areas are located.
- Action Configuration: Select "Disable."



Click "Finish" until the wizard window closes.

he triggers and procedures are now set up to allow the override cards to function and to lock the area down when the panic button is pressed.

Now is a good time to reset and download the controller with all of the changes we just applied.

Creating Override Cards:

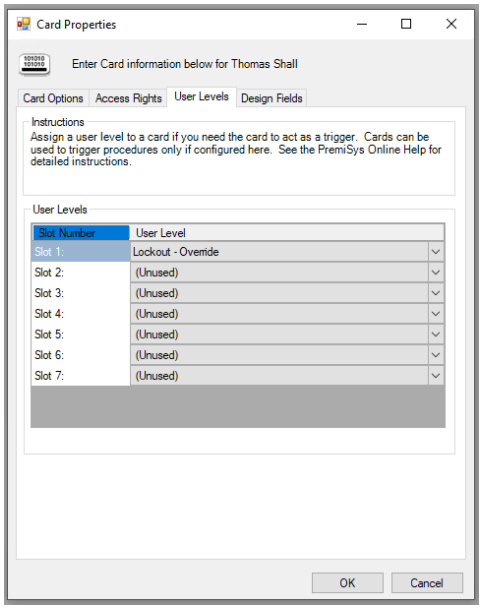
You will now create override cards that will still function when the area is locked out.

1. Login to PremiSys and click the Navigator button.

2. Open an existing cardholder record.

3. In the Card Configuration section click the edit card icon.

4. The Card Properties window will open. Click the User Levels tab. Ensure that you select the same slot number that was set up in the override trigger and procedure. From the dropdown menu, select the user level for your lockdown.



5. Click OK on the Card Properties window. Finally, click the Save button to save the Cardholder

record.

The card is now saved and ready to be used as an override card.

Lockdown Operation in Monitor and Control:

> The Request to exit will not be affected when the access area is disabled.

To initiate the lockdown and reset the lockdown doors to a normal state in Monitor and Control, follow these steps:

Initiating the Lockdown:

1. Push Button: Utilize the push button configured in the example to initiate the lockdown of the area.

2. Manual Software Control: Go to Tasks > Monitor/Control Hardware > Access Settings Tab > Access Areas. Double-click on the "Lockout-Override Disabled" Access Area. The Access Area Actions window will open. Set the Command to "Disable" and click Execute. The area will now be in lockdown.

3. Triggers and Procedures: Explore various methods of setting up triggers and procedures to initiate the lockdown of the area. There are multiple options available depending on your specific requirements.

4. Map Icon: Add the "Access Area Disabled" to a map and disable the area directly from the map interface.

Resetting the Lockdown Doors to a Normal State:

1. Manual Software Control: Go to Tasks > Monitor/Control Hardware > Access Settings Tab > Access Areas. Double-click on the "Lockout-Override Disabled" Access Area. The Access Area Actions window will open. Set the Command to "Enable" and click Execute. The area will be restored to its normal state.

2. Triggers and Procedures: Set up a reset card that can be used to reset the area back to its normal state by configuring appropriate triggers and procedures.

3. Reset and Download Controller: Perform a controller reset and download operation, which will reset the lockdown areas back to their normal state.

4. Map Icon: If the access area is added to your map, you can enable the access area directly from the map interface.

By following these steps, you can efficiently operate the lockdown functionality in Monitor and Control and reset the lockdown doors when needed.

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