

Locking a Door Unlocked by a Schedule using a Card

Objective

This document shows you how to configure EntraPass to unlock a door using a schedule (with or without the *First Man In* feature) and re-lock before the schedule ends by presenting a card to the reader and pressing a button.

An external alarm system will be used to illustrate our purpose.

Requirements

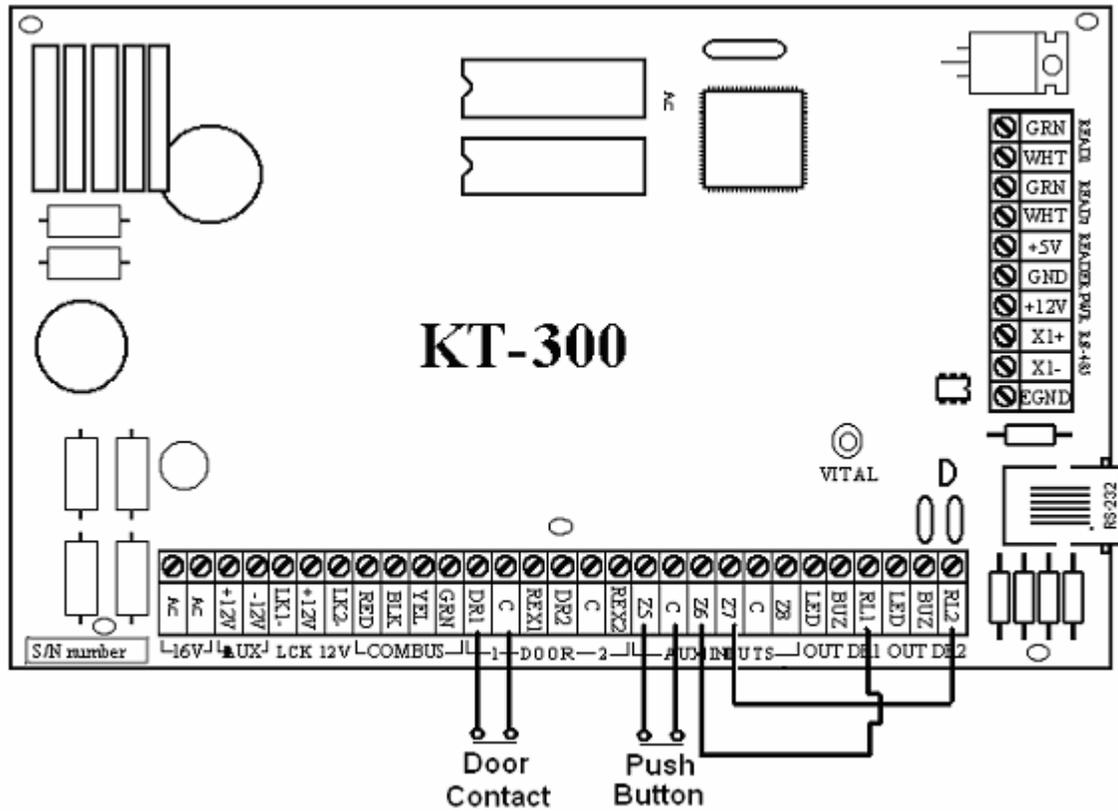
- Running EntraPass software with defined access levels
- Door connected to a KT-300 controller
- An external button installed next to the reader (or keypad button such as * or # with the P225KP or P325KP)
- 2 pieces of wire (Jumpers)

Steps

1. Connect the hardware as shown below
2. Connect the controller, then configure the controller using the Express Setup utility
3. Define the desired schedules (**Definition > Schedules**)
4. Define the required relays (**Devices > Relays**)
5. Define the required inputs (**Devices > Inputs**).
6. Define the door and external alarm system options (**Devices > Doors**).

Step by Step Instructions

1. Connect the external push button and the 2 jumpers as illustrated by the following diagram.



2. Access EntraPass to configure the KT-300 controller and define door contacts and REX (refer to the EntraPass reference manual for details on how to configure controllers using Express setup).

- Define the schedule during which the door will be unlocked: **Definition > Schedule**.

	Start time	End time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Hol 1	Hol 2	Hol 3	Hol 4
1	08:00	17:00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
2	00:00	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	00:00	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	00:00	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Define the two (2) onboard output relays: **Devices > Relays**. Identify the first one as *Request to arm* (lock) and the second as *Request to disarm* (unlock) . Leave the default values.

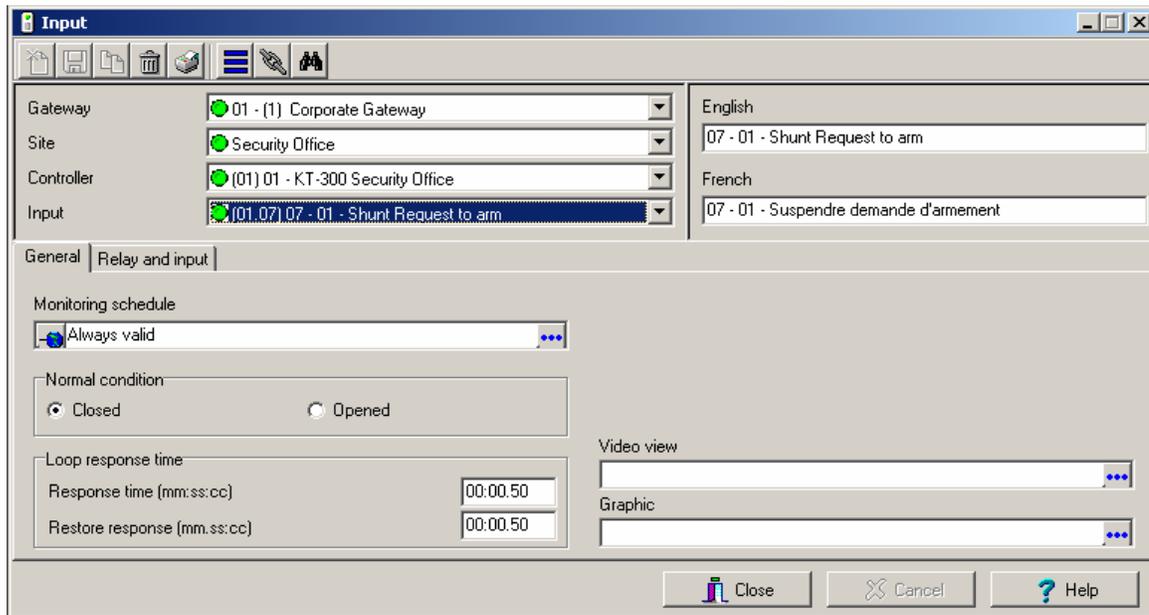
5. Define the three (3) required inputs: **Devices > Input**. Assign an **Always valid** schedule to all the defined inputs.
- 5.1 Select input # 5 and label it **Request to arm input**. Leave the default value unchanged and save.

The screenshot shows the 'Input' configuration window for input #5. The 'Gateway' is set to '01 - (1) Corporate Gateway', 'Site' to 'Security Office', and 'Controller' to '(01) 01 - KT-300 Security Office'. The 'Input' dropdown is set to '[01.05] 05 - 01 - Input Security Office'. The language settings are 'English' with the label '05 - 01 - Request to arm Input' and 'French' with the label '05 - 01 - Entree Demande de sortie'. The 'Monitoring schedule' is set to 'Always valid'. The 'Normal condition' is set to 'Closed'. The 'Loop response time' is set to '00:00:50' for both 'Response time' and 'Restore response'. The 'Video view' and 'Graphic' fields are empty. The window has 'Close', 'Cancel', and 'Help' buttons at the bottom.

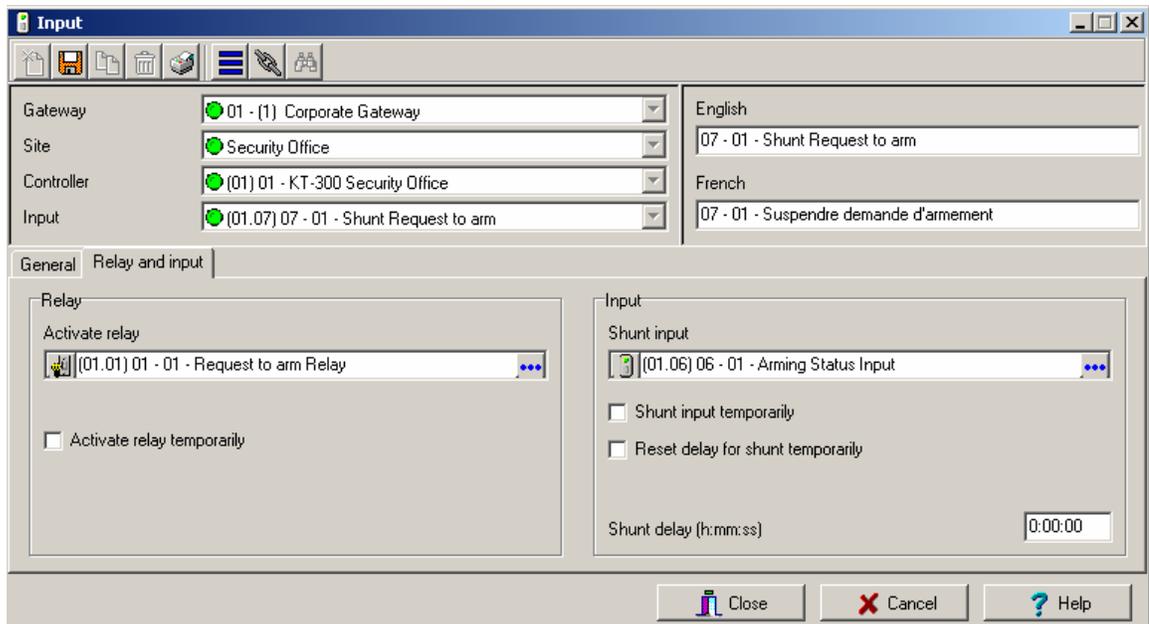
- 5.2 Select input # 6 and identify it as an *Arming status input*, set it for normally **Opened** and save.

The screenshot shows the 'Input' configuration window for input #6. The 'Gateway' is set to '01 - (1) Corporate Gateway', 'Site' to 'Security Office', and 'Controller' to '(01) 01 - KT-300 Security Office'. The 'Input' dropdown is set to '[01.06] 06 - 01 - Arming Status Input'. The language settings are 'English' with the label '06 - 01 - Arming Status Input' and 'French' with the label '06 - 01 - Entree Etat d'armement'. The 'Monitoring schedule' is set to 'Always valid'. The 'Normal condition' is set to 'Opened'. The 'Loop response time' is set to '00:00:50' for both 'Response time' and 'Restore response'. The 'Video view' and 'Graphic' fields are empty. The window has 'Close', 'Cancel', and 'Help' buttons at the bottom.

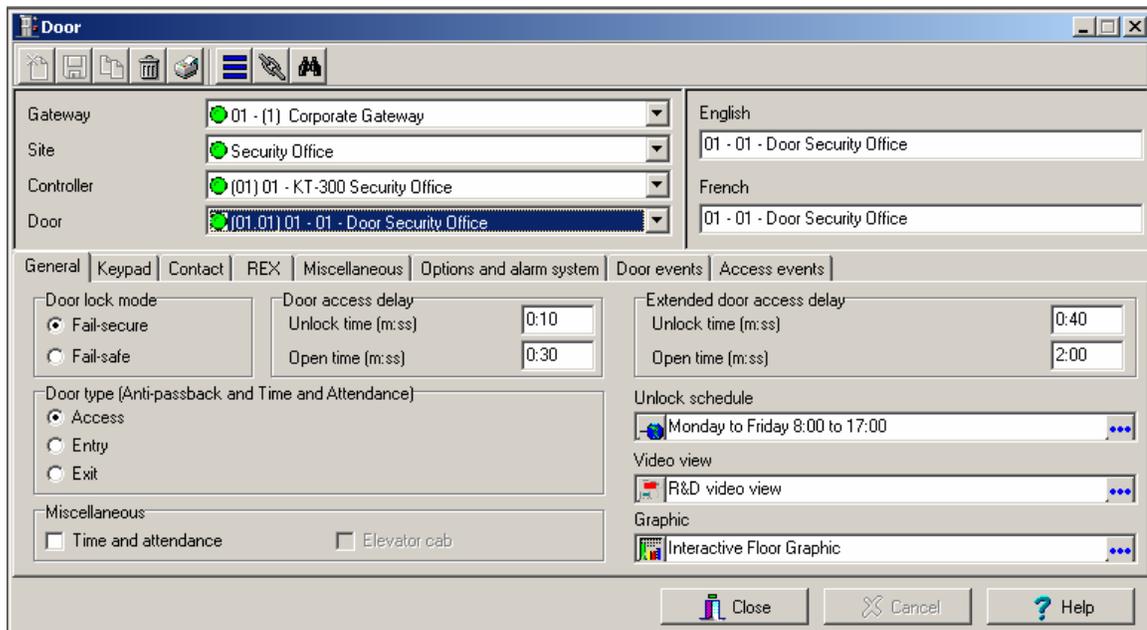
5.3 Select input # 7 and label it *Shunt request to arm*. Leave it to normally **Closed**.



5.4. Select the **Relay and Input** tab and select “relay 1” for the **Activate relay** field, then assign Input 6 as the **Shunt input** and save.



- 6 Go to **Devices > Door** to bring up the door definition window. Select the door you want to define for this application.

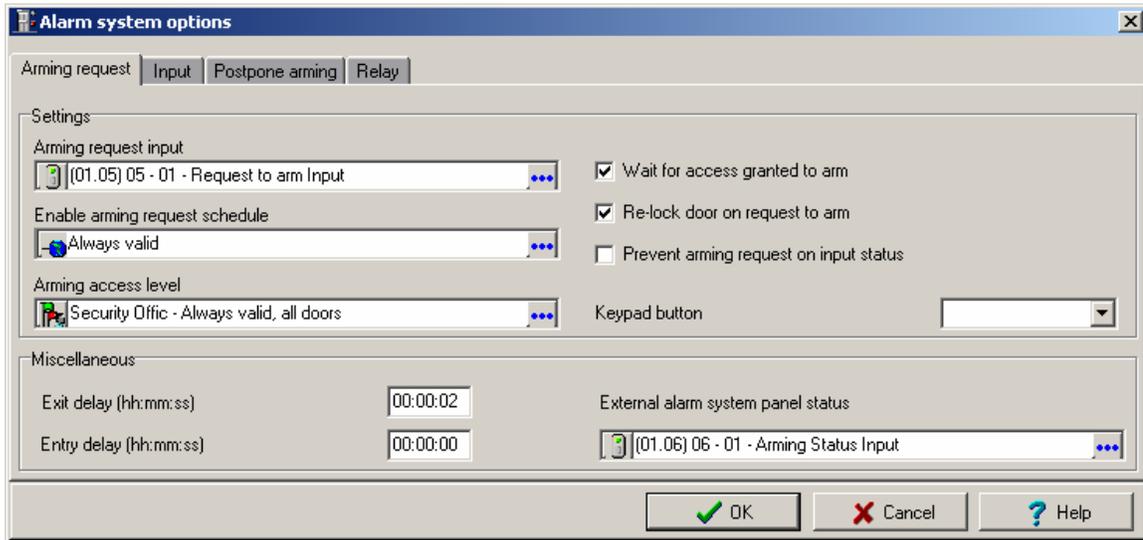


- 6.1 Assign the **Unlock schedule** for this door. This is the schedule defined earlier in Step 3. Select the **Options and alarm system** tab.



- 6.2 Check the **Unlock door by schedule after first access granted** option.

6.3 Click the **External alarm system options** button.



6.4 Assign Input 5 as the **Arming request input**.

6.5 Select the *Always valid* schedule as the **Enable Arming request schedule**.

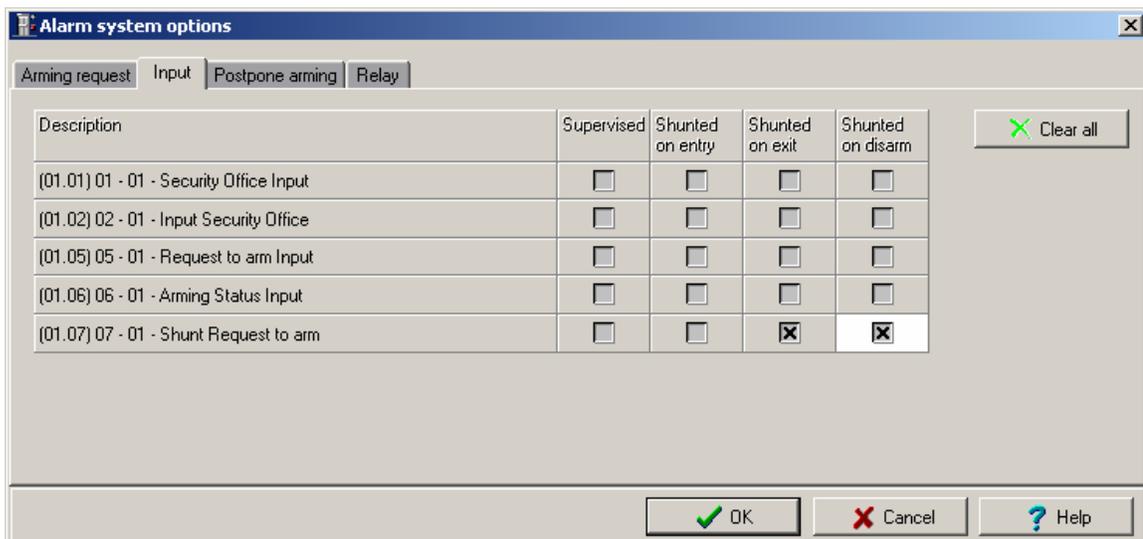
6.6 Under the **Arming access level** field, select the access level or the group of access levels for the cardholders who will have permission to relock the door after the door was unlocked by a schedule.

6.7 Check the **Wait for access granted to arm** checkbox.

6.8 Check the **Re-Lock door on request to arm** checkbox.

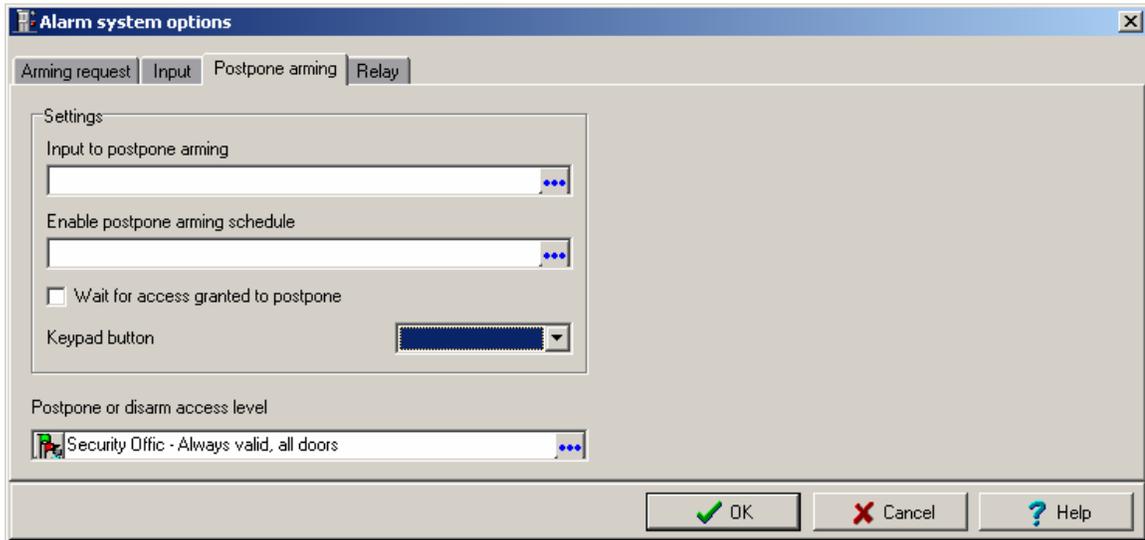
6.9 Select Input 6 as the **External alarm system panel status** input.

6.10 Select the **Input** tab.



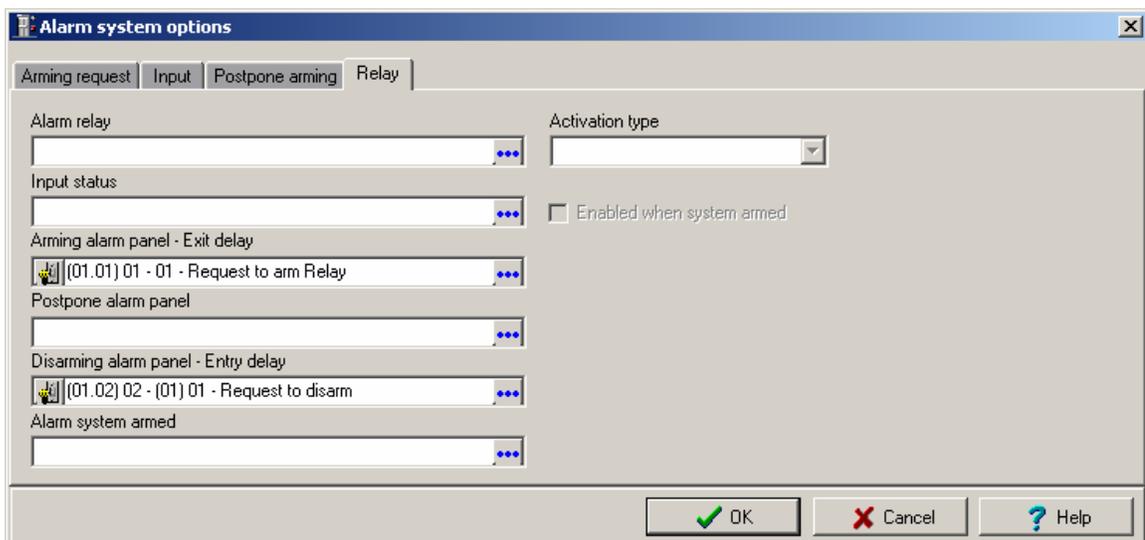
6.11 Check the **Shunted on exit** and **Shunted on disarm** checkbox for “input 7”.

6.12 Select the **Postpone arming** tab.



6.13 Assign the access level or group of access level of the cardholders who will be allowed to unlock the door by schedule (first people in) under the **Postpone or disarm access level** field.

6.14 Select the **Relay** tab.



6.15 Assign "relay # 1" as the **Arming alarm panel – Exit delay**.

6.16 Assign "relay # 2" as the **Disarming alarm panel – Entry delay**.

6.17 Click **OK** and save the door definition.