

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).



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

F	Schedule														
	1 H h 1 3 H N M														
	Schedule					Englisi Mond Frenct	h lay to Frida n undi au Vei	y 8:00 to 1 ndredi 8:00	7:00 I to 17:00						
		Start time	End time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Hol 1	Hol 2	Hol 3	Hol 4	
	1	08:00	17:00		X	X	X	X	X						
	2	00:00	00:00												
	3	00:00	00:00												
	4	00:00	00:00												
						jį c	lose	23	Cancel		P Help				

4. 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.

🐗 Relay	📲 Relay					
10 🖬 La 🕯 🖉						
Gateway Site Controller Relay	 01 - (1) Corporate Gateway Security Office (01) 01 - KT-300 Security Office (01.01) 01 - 01 - Relay Security Office 	<pre>></pre>	English 01 - 01 - Request to arm Relay French 01 - 01 - Relais Demande d'armement			
General Operating mode Normal Activation mode Automatic activation	C Reverse	Temporary Temporary	y activation y activation timer (h:mm:ss) 0:00:05			
Disable relay action		Video view Graphic]		
			👖 Close 🛛 🗶 Cancel 💡 Help			



- 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.

🔒 Input					
Gateway	🗢 01 - (1) Corporate Gateway	~	English		
Site	Security Office	7	05 - 01 - Request to arm Input		
Controller	🗢 (01) 01 - KT-300 Security Office	V	French		
Input	🗢 (01.05) 05 - 01 - Input Security Office	~	05 - 01 - Entree Demande de sortie		
General Relay and input Monitoring schedule					
Loop response time Response time (mm Restore response (n	ss:cc) 00:00.50 nm.ss:cc) 00:00.50	Video view Graphic	,, ,,		
			Close X Cancel ? Help		

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

🚦 Input				- 🗆 ×
10000				
Gateway	🗢 01 - (1) Corporate Gateway	•	English	
Site	Security Office	-	06 - 01 - Arming Status Input	
Controller	🗢 (01) 01 - KT-300 Security Office	•	French	
Input	🔁 (01.06) 06 - 01 - Arming Status Input		06 - 01 -Entree Etat d'armement	
General Relay and input	ut		I	
Monitoring schedule				
Always valid				
-Normal condition				
C Closed	Opened			
Loop response time		Video view	1	
Response time (mm:s	s:cc) 00:00.50	 Graphic		
Restore response (mr	n.ss:cc) 00:00.50			
			👖 Close 🛛 🚿 Cancel 🛛 🥐 He	:lp



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

🚦 Input				
180000				
Gateway	O1 - (1) Corporate Gateway	-	English	
Site	Security Office	•	07 - 01 - Shunt Request to arm	
Controller	🗢 (01) 01 - KT-300 Security Office	•	French	
Input	😂 (01.07) 07 - 01 - Shunt Request to arm		07 - 01 - Suspendre demande d'armement	
General Relay and input	ut		1	
Monitoring schedule				
Always valid	••	1		
-Normal condition		7		
Closed	O Opened			
Loop response time		Video view		
Response time (mm:s	s:cc) 00:00.50	Graphic		. •••
Restore response (mr	n.ss:cc) 00:00.50			•••
			👖 Close 🛛 🎊 Cancel 💙 📍 Help	

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.

🖁 Input					
Gateway © 01 - (1) Corporate Gateway Site © Security Office Controller © (01) 01 - KT-300 Security Office Input © (01.07) 07 - 01 - Shunt Request to arm	English 7 French 7 7				
General Relay and input Relay Activate relay Imput Shunt input Imput Imput Imput Imput					
Close X Cancel ? Help					



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

Door	
ñeh 🗃 🥩 🗮 🗙 🗛	
Gateway © 01 - (1) Corporate Gateway Site © Security Office Controller © (01) 01 - KT-300 Security Office Door © (01,01) 01 - 01 - Door Security Office	English 01 - 01 - Door Security Office French 01 - 01 - Door Security Office
General Keypad Contact REX Miscellaneous Options and alarm system Door ex Door lock mode Door access delay Door access delay Ext Image: State of the system Unlock time (m:ss) 0:10 Ext Image: State of the system Open time (m:ss) 0:30 Open	vents Access events ended door access delay 0:40 0:40 0:40 0:40 0:40 0:40 0:40 0:4
Door type (Anti-passback and Time and Attendance) Unlo Image: Access Image: Access Image: C Exit Video Image: Miscellaneous Image: Access Image: Time and attendance Image: Elevator cab	ck schedule Monday to Friday 8:00 to 17:00
	👖 Close 🛛 🎇 Cancel 🌎 Help

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.

P Door						
10000	A A					
Gateway	O1 - (1) Corporate Gateway	Y	English			
Site	Security Office	~	01 - 01 - Door Security Office			
Controller	(01) 01 - KT-300 Security Office	~	French			
Door	🗢 (01.01) 01 - 01 - Door Security Office	-	01 - 01 - Door Security Office			
General Keypad Con KT-100 KT-300 Optic Supervised door I Unlock door by so	tact REX Miscellaneous Options and alarm sys ons ock device chedule after first access granted	stem Door even	nts Access events C External alarm system options			
Motor lock delay (m:ss) 0:00 Second card schedule required (two-man rule)						
			👖 Close 🛛 🗙 Cancel 🛛 🦿 Help			

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



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

🕌 Alarm system options	X
Arming request Input Postpone arming Relay	
Settings Arming request input (01.05) 05 - 01 - Request to arm Input Enable arming request schedule Always valid	 Wait for access granted to arm Re-lock door on request to arm Prevent arming request on input status
Arming access level	Keypad button
Exit delay (hh:mm:ss) 00:00:02 Entry delay (hh:mm:ss) 00:00:00	External alarm system panel status (01.06) 06 - 01 - Arming Status Input
	V OK X Cancel ? Help

- 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**.

🕌 Alarm system options					×
Arming request Input Postpone arming Relay					
Description	Supervised	Shunted on entry	Shunted on exit	Shunted on disarm	🗙 Clear all
(01.01) 01 - 01 - Security Office Input					
(01.02) 02 - 01 - Input Security Office					
(01.05) 05 - 01 - Request to arm Input					
(01.06) 06 - 01 - Arming Status Input					
(01.07) 07 - 01 - Shunt Request to arm			×	X	
		0	к	🗙 Cance	Help

6.11 Check the Shunted on exit and Shunted on disarm checkbox for "input 7".



6.12 Select the **Postpone arming** tab.

🕌 Alarm system options	×
Arming request Input Postpone arming Relay	
Settings	
Input to postpone arming	
Enable postpone arming schedule	
Wait for access granted to postpone	
Keypad button	
Postpone or disarm access level	
Security Offic - Always valid, all doors	
🗸 OK 🕺 🗶 Cancel	7 Help

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.

larm system options	×
Arming request Input Postpone arming Relay	
Alarm relay	Activation type
Input status	
	Enabled when system armed
Arming alarm panel - Exit delay	
📢 (01.01) 01 - 01 - Request to arm Relay 👥 🚥	
Postpone alarm panel	
•••	
Disarming alarm panel - Entry delay	
🙀 (01.02) 02 · (01) 01 · Request to disarm 🐽	
Alarm system armed	
•••	
,	
	V OK X Cancel ? Help

- 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.