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How to Configure an Interlock Zone

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To provide a secure interlock area, one of the doors must be locked when the external input, such as door status sensor, indicates that the other door is opened. This feature is usually considered important in laboratories or operation rooms where security of dust is of high concern.



Door B will only open if door A is closed and locked

Applied version: BioStar2 v2.6

Compatible case:

Only Local zone is supported for interlock zone

CoreStation should be a RS485 Master of the local zone

FW : v1.1.0 or higher version

The interlock zone will be supported by CoreStation firmware. It means that you can use any devices for Interlock Zone Configuration as slave devices of CoreStation. Please note that Corestation does not support FaceStation and BioStation 3 as Slave devices.

interlock_zone.mp4

1. Activate BioStar 2 AC license as standard or higher level For license inquiries, please contact to our sales representative.

- 2. Confirm the **zone** menu
- 3. Go to **Device** menu
- 4. Add CoreStation and its slave devices

BioStai	r 2 💮 Settings 🕂 Port (i) About (?) Help
C DASH BOARD	SEARCH DEVICE
	 All Devices BioEntry W2 544108125 (192.168.14.201)
DEVICE	BioStation 2 546832513 (192.168.14.180)
Lo DOOR	BioStation A2 939254309 (192.168.14.217)
m	🗖 🔚 New Device Group 1
ELEVATOR	CoreStation 40 542070079 (192.168.14.233)
© zone	BioEntry P2 541150088
	DioEntry R2 865638128

- 5. Confirm the firmware version of the CoreStation is 1.1.0 or higher version
- 6. Go to [Door] menu and make two doors
- 7. Confirm if each door is configured for Door Sensor

DEVICE	Configuration			
	Entry Device Door Relay(+)	BioEntry R2 865638128 * Relay 1 of CoreStation 40 542070079 (192.168.14.233) Device *	Exit Device	None
ELEVATOR	Exit Button Door Sensor	Input Port 2 of CoreStation 40 542070079 (192.168.14.233) De ▼ Input Port 3 of CoreStation 40 542070079 (192.168.14.233) De ▼	• Switch • Switch	Normally Open
() 2014E	Option			
ACCESS CONTROL	Open • Open Time	3 340	· Lock when	CN CN

- 8. Click [Zone]
- 9. Add Interlock Zone
- 10. Configure the door of the Interlock Zone

You can select up to 4 doors.						
- Add New Interloc	k Zone					
Information						
• Name	14F Interlock Zone	• Туре	Interlock			
Configuration						
• Mode	Cocal	Active/Inactive	C Active			
• Door	P2 Door + ①	* Door sensor must be set to use.				
Option	P2 Door					
	B2 Door					

11. If you would like to make an alert sound or output signal, set an alarm of the Interlock zone

Add Alarm		
Event		ction
 Interlock door open denied alarm Interlock door open denied alarm (Occupied) 	 Output Alert Sound 	• Device BioEntry P2 541150088 Buzzer Volume Low V
	Apply Cancel	

- 12. To confirm the configuration of the Interlock setting, go to **Monitoring**
- 13. Open one of the doors and keep the opened status, then try to authentication to same door
- 14. Confirm the [Interlock door open denied alarm] as follows

• Real-time Log									
▼ Save Filter								II Pause	
Date									
2018/03/18 20:42:15	P2 Door	Interlock	door open der	nied alarm	×	14F Interlo.	. Interlock door ope	n denied	
2018/03/18 20:42:15		Interioek	abor open aer	or open demed alarm		14F Interlo.	Interlock door ope	n denied alarm	
2018/03/18 20:42:15		Device	CoreStation 40 542070079 (192.168.14.233) Interlock door open denied alarm	evice CoreStation 40 542070079			Access denied (Int	erlock)	
2018/03/18 20:42:11	P2 Door					Held door opened			
2018/03/18 20:42:08	P2 Door	• Alarm		terlock door open denied alarm	Interlock door open denied alarm	Alarm Interlock door open denied alarm			Door opened
2018/03/18 20:42:06	P2 Door	• Date	2018/03/18 20:42	::15			Door unlocked		
2018/03/18 20:42:06		Comment					1:N authentication	succeeded (Fingerprint)	
					11				
		Ac	knowledge	Ignore					
		_		_					

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