Intercom Integration using Credential Types in Protege GX

**Application Note** 

# **CTeSecurity.**

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# Intercom Integration using Credential Types

Intercom integration allows data to be passed directly from the intercom device to the Protege GX Controller and can be implemented through either the use of the Protege GX intercom service, or by utilizing the **Credential Types** feature.

This application note provides instructions on using **Credential Types** to implement intercom integration with Protege GX.

#### **Credential Types**

Credential types are created within the Protege GX interface and are applied to custom **Door Types** as the **Entry Reading Mode** and/or the **Exit Reading Mode**. The intercom device or software that is used to collect the credential data is configured as a **Smart Reader**, with data being sent to the controller by either the onboard RS-485 reader ports or over Ethernet.

### Prerequisites

This integration requires:

- An operational Protege GX system using version 4.2.187 or higher.
- A Protege GX controller running firmware version 2.08.0752 or higher.
- The required number of smart reader licenses applied to the relevant Protege GX SSN.

### Overview

The steps required to implement the intercom integration using credential types within Protege GX are:

- Configuring the onboard Reader Expander.
- Creating a new Credential Type and Door Type unique to the needs of the Intercom.
- Creating a virtual door and Smart Reader.
- Creating virtual Outputs.
- Creating Floors and Schedules.
- Creating Access Levels and user credentials.
- Assigning Access Levels to Users.

# Setup and Configuration

#### Programming Walkthrough

We will set up a simple scenario that demonstrates how to implement intercom integration in Protege GX through the use of the **Credential Types** feature. This will give you an idea of what to expect when it comes to setting up your own intercom.

In this scenario we are implementing intercom integration in a building where we have:

- Eight floors in total.
- There are seven secured floors, starting at the first floor, with floor seven at the top of the building. The ground floor is freely accessible and contains an Intercom.
- One elevator car with access to every floor.
- Each floor (excluding the ground floor) contains three apartments, where suite 502 refers to apartment 2 on level 5.

# Configuring the Onboard Reader Expander

To enable the third party device or application to communicate with the Protege GX controller, you need to configure the controller's onboard reader expander.

If the third party device uses an RS-232 connection, you must use an RS-232 to RS-485 converter to connect it to the Protege GX controller.

#### If the device is connected over Ethernet:

- 1. Navigate to Expanders | Reader Expanders.
- 2. Select the controller's onboard reader expander.
- 3. In the Configuration section, set the following options:

Configuration	
Poll Time (seconds)	250
Offline Operation	No Users
Slave Comm Operation	0 - Disabled
Elevator Floor Split	Split At First
Physical Address	1
Port 1 Network Type	Wiegand
Port 2 Network Type	Wiegand
Ethernet Network Type	Third Party Generic
Ethernet Port	4001

- Ethernet Network Type: Third Party Generic.
- Ethernet Port: Defines the TCP/IP port that the controller listens on. The intercom device must have this
  port open in order to send data to the controller. Contact your network administrator to find out which
  port to use
- 4. Click Save.

#### If the device is connected to one of the onboard reader expander reader ports:

- 1. Navigate to Expanders | Reader Expanders.
- 2. Select the controller's onboard reader expander.
- 3. In the **Configuration** section, set the following options:

Configuration	
Poll Time (seconds)	250
Offline Operation	No Users
Slave Comm Operation	0 - Disabled
Elevator Floor Split	Split At First
Physical Address	1
Port 1 Network Type	Third Party Generic 🗧
Port 2 Network Type	<not set=""></not>
Ethernet Network Type	Wiegand ICT RS485 Salto SALLIS
- Options	Aperio
High Charge Option	Third Party Generic

- Port Network Type: Assign the Third Party Generic option from the drop down menu to either the Port 1 Network Type or Port 2 Network Type depending on which port is in use.
- Ethernet Network Type: Disabled.
- 4. Select the Reader 1 or Reader 2 tab depending on which port is in use.

In this example we have used Reader Port 1 and as a result the **Reader 1** tab is selected.

Third Party Generic		
Reader 1 Baud Rate	9600	Ŧ
Reader 1 Parity	None	₹
Reader 1 Stop Bits	1.5 Stop	₹
Reader 1 Inter-Byte Time Out (ms)	5	
Reader 1 Log Invalid Data Received		

- 5. Scroll down to the **Third Party Generic** section and set the following options:
  - **Baud Rate:** The rate at which information is transferred between the third party device and the Protege GX controller.
  - Parity: Defines the method of calculating the parity for the block.
  - Stop Bits: Defines the number of stop bits used.
  - Inter-Byte Time Out: Defines the time in milliseconds allowed between receiving bytes of data.
  - Log Invalid Data Received: When enabled, logging begins for instances where invalid data is received.
- 6. Click Save.

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# Creating the Intercom Credential Type

- 1. Navigate to Sites | Credential Types.
- 2. Click Add.
- 3. Enter a **Name** for the new credential type.

← General		
Name	Intercom Button Press	v
Name (Second Language)	Intercom Button Press	^
Record Group	<not set=""></not>	<b>-</b>
Configuration	-	
Format	ASCII	
Preceding Characters	0	
Trailing Characters	3	
Prefix	t	
Case Sensitive		

- Format: The format of the data that is sent to the Protege GX controller by the third party device.
- **Preceding Characters:** The maximum number of characters to be ignored at the <u>start</u> of the data packet being sent to the controller. This is determined by the third party device/application.
- **Trailing Characters:** The maximum number of characters to be ignored at the <u>end</u> of the data packet being sent to the controller. This is determined by the third party device/application.
- **Prefix:** The characters that are required at the start of the credential data in the packet sent to the controller. This is determined by the third party device/application.
- 4. Click Save.

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# Creating a New Door Type

A custom **Door Type** is required to instruct the door to respond to the defined credential type.

- 1. Navigate to Programming | Door Types.
- 2. Click Add.
- 3. Enter a Name for the new door type and set the Entry Reading mode to Custom.

▲ General	
Name	Intercom Door Type v
Name (Second Language)	Intercom Door Type
Record Group	<not set=""></not>
General Configuration	
Operating Schedule	Always
	<not set=""></not>
Fallback Door Type	<not set=""></not>
Entry     Entry     Entry Passback Is Qualified With Door Opening	
Entry Passback Mode	None
Entry Reading Mode	Custom
Door Entry Requires Verification	
Entry Credential Types	
Add Delete	Sequence

- Under the Entry Credential Types, click Add.
- Select the Intercom Button Press credential type created previously (see page 7) and click Ok.

Credent	tial Types						×
Record Group:	Global		<b>-</b>		Create Credential Ty	/pe	
		Name					
Intercom Button	Press						
Card PIN Bio							
Drag and drop ite	ms directly to the ma	in window OR sel	ect one or more	e items i	n the list and click Ok.		
		Ok	Cancel				

- 4. Repeat the steps above to assign the Intercom Button Press credential type to the Exit Reading Mode.
- 5. Click Save.

# Creating a Virtual Door

Once the **Door Type** has been configured, it must be assigned to the same door that the smart reader is linked to.

- 1. Navigate to **Programming | Doors**.
- 2. Click Add.
- 3. Enter a Name for the new door.
- 4. Set the **Door Type** to the **Intercom Door Type** created previously (see page 8).

▲ General	
Name	Intercom Credential Door (Virtual)
Name (Second Language)	
Keypad Display Name	
Record Group	<not set=""></not>
▲ Setup	
Door Type	Intercom Door Type
Slave Door	<not set=""></not>
Area Inside Door	<not set=""></not>
Area Outside Door	<not set=""></not>
Unlock Schedule	Never
Door Pre-Alarm Delay Time	30
Door Left Open Alarm Time	45
Support Manual Commands	
Interlock Door Group	<not set=""></not>

5. Click Save.

# Creating a Smart Reader

In order to use this feature for access control, you must program a smart reader. The smart reader does not represent a physical device, but it is required to link the credential type functionality to a door which then allows valid credentials to activate their respective access level output.

- 1. Navigate to Expanders | Smart Readers.
- 2. Click Add.
- 3. Enter a Name for the smart reader.

General Reader History Usage		
← General		
Name	Intercom Smart Reader	v
Name (Second Language)	Intercom Smart Reader	^
Configuration		
Expander Address	1	F
Expander Port	Ethernet	V
Configured Address	1	Ŧ
<ul> <li>Commands</li> </ul>		
* Record History		

- Expander Address: Address of the controller's onboard reader expander.
- Expander Port: If the intercom device is connected over Ethernet, assign Ethernet to this field, else assign the correct Port (either Port 1 or Port 2) depending on which onboard reader expander reader port the intercom device is connected to.
- Configured Address: A placeholder which must be unique.
- 4. Click on the **Reader** tab.
- 5. Within the Reader Credential Match Types section, click Add.
- 6. The Credential Types window will appear. Select the Intercom Button Press credential type created previously (see page 7), then click Ok.

<ul> <li>Reader Credential Match</li> </ul>	n Types					
Add	Delete					
Nan	ne					
	Credent	ial Type	s		□ ×	¢
	Record Group:	Global			Create Credential Type	
			Na	ame		
	Intercom Button F	ress				
	Drag and drop iter	ns directly to the	main window OR	select one or more ite	ems in the list and click Ok.	
			Ok	Cancel		.4

7. In the **Configuration** section, set the **Reader One Door** to the **Intercom Credential Door (Virtual)** created previously (see page 9).

Configuration		
Reader One Format	26 Bit	<b>-</b>
Reader One Location	Entry	Ţ
Reader One Mode	Access	Ţ
Reader One Door	Intercom Credential Door (Virtual)	

8. In the Misc Options, select the Activate Access Level Output check box.

Misc Options	
Disarm Area For Door On Access	
Allow Access When Area Armed	
Disarm Users Area ON Valid Card	
Log Reader Events	
Swap Lock LED Display	
Activate Access Level Output	
Display Card Detail When Invalid	
Arm Users Area	

9. Click Save.

# **Creating Virtual Outputs**

We will now add a virtual module which allows us to create virtual outputs.

#### Creating a Virtual Module

- 1. Navigate to Expanders | Output Expanders.
- 2. Click Add.
- 3. Enter a **Name** for the virtual module.

General History Usage				
▲ General				
Name	Intercom Output Expander (Virtual)			
Name (Second Language)	VO Intercom			
Configuration				
Poll Time (seconds)	250			
High Charge Current				
Invert Device Tamper				
🦲 Virtual Module				
Physical Address	32			

4. Enable the Virtual Module check box and click Save. The Configure Module window will appear.

Configure Module		<b>— ×</b>
Physical Address:	32	-
Inputs:	0	
Outputs:	16	
Add Trouble Inputs		
Add Now	Cancel	

Enter the following details:

- **Physical Address:** Assign a value to this field ensuring that this address has not been assigned to a module already. In this example we have assigned address 32.
- **Inputs:** The number of inputs to be created automatically. As we are only creating this module for the purpose of creating virtual outputs, set this field to zero.
- **Outputs:** Select the number of outputs you wish to create with a maximum of 16. In this example we have created 16 outputs even though we do not require that many.

#### Configuring the Virtual Outputs

- 1. Navigate to **Programming | Outputs**.
- 2. Select one of the newly created outputs and enter a new **Name** for the virtual output. Ensure you name this output in such a way that it can be easily identified as the validation output for the schedule.

General	Options	History	Usage	Events	
- Genera	1				
Name				Flo	or 2 Unsecured VO
Name (S	econd Langu	iage)			×
Keypad I	Display Name	:			▲
- Addres	5				
Module	Туре			Out	tput (PX)
Module	Address			32	
Module	Output			1	

- Module Type: Set this field to Output (PX) as per the virtual output expander module created previously.
- Module Address: Set this address to the address of the virtual output expander module created previously.

#### 3. Click Save.

Repeat this process for each floor that requires a virtual output. In the scenario for this application note (see page 5), the following virtual outputs have been added:

Outputs	 L. Save	Find	Re
Name		Controlle	r
Floor 1 Unsecured VO	Elevato	or Controlle	r
Floor 2 Unsecured VO	Elevato	or Controlle	r
Floor 3 Unsecured VO	Elevato	or Controlle	r
Floor 4 Unsecured VO	Elevato	or Controlle	r
Floor 5 Unsecured VO	Elevato	or Controlle	r
Floor 6 Unsecured VO	Elevato	or Controlle	r
Floor 7 Unsecured VO	Elevato	or Controlle	r

# **Creating Floors**

- 1. Navigate to **Programming | Floors**.
- 2. Click Add.
- 3. Enter a **Name** for the floor.

General	
Name	Building Floor 2
Name (Second Language)	Building Floor 2
Floor Relay	1
Record Group	<not set=""></not>

4. Click Save.

Repeat this process for each floor within the building. In the scenario for this application note (see page 5), the following floors have been added:

Floors	+ Add	L. Save	Find	<b>t</b> Refresh	Export
Name	Dat	abase ID	Cr	reated Date	
Building Ground Floor	0		10/01/201	17 11:57:02 a	a.m.
Building Floor 1			13/01/201	7 12:11:02	p.m.
Building Floor 2	2		13/01/201	7 12:11:21	p.m.
Building Floor 3	3		13/01/201	7 12:11:25	p.m.
Building Floor 4	4		13/01/201	7 12:11:28	p.m.
Building Floor 5	5		13/01/201	7 12:11:30	p.m.
Building Floor 6	6		13/01/201	7 12:11:33	p.m.
Building Floor 7	7		16/01/201	17 8:57:52 a.	m.
		_			•

# **Creating Floor Schedules**

- 1. Navigate to Sites | Schedules.
- 2. Click Add.
- 3. In the Name field, enter Floor 2 Unsecured with Validation.



4. Select Sunday through to Saturday in Period 1 and set the Holiday Mode to Ignore Holiday.

Time Period	s and Groups										
Periods							Holiday Mode				
	Start Time	End Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat		
Period 1	00:00	00:00								lgnore Holiday 🥃	
Period 2	00:00	00:00								Disabled on Holiday	

- 5. Click on the **Options** tab and enable the **Validate Schedule if Qualify Output On** option.
- 6. Set the Qualify Output to Floor 2 Unsecured VO.

Configuration	Options	Holiday Groups	History	Usage		
<ul> <li>Qualify Outp</li> </ul>	ut					
Validate Sc	hedule if Qua	lify Output On				
Validate Sc	hedule if Qua	lify Output Off				
Qualify Output	t		Floor 2 l	Jnsecured '	VO - Elevator Controller	Ţ

We have created a schedule that is valid 24/7 regardless of holidays, however it requires that the Floor 2 Unsecured VO is ON before the schedule becomes valid.

Repeat this process to create a schedule corresponding to each floor within the building and remember to assign the relevant output in the **Qualify Output** field. In the scenario for this application note (see page 5), the following schedules have been added:

Schedules	Add	L) Save	Find		<b>R</b> efresh	Expo	î rt
Name		Databa	ase ID		Create	ed Date	
Floor 1 Unsecured with	n Validation			23/01	1/2017 9:	06:39 a.r	n.
Floor 2 Unsecured with	n Validation			23/01	1/2017 9:	06:44 a.r	n.
Floor 3 Unsecured with	n Validation	2		23/01	1/2017 9:	06:48 a.r	n.
Floor 4 Unsecured with	n Validation			23/01	1/2017 9:	06:53 a.r	n.
Floor 5 Unsecured with	Nalidation	4		23/01	1/2017 9:	06:59 a.r	n.
Floor 6 Unsecured with	Nalidation	5		23/01	1/2017 9:	07:03 a.r	n.
Floor 7 Unsecured with	Nalidation	6		23/01	1/2017 9:	07:07 a.r	n.
							•

Note that a schedule does not need to be created for the ground floor.

# Assigning Floor Schedules

Assigning schedules to floors can be accomplished through the use of either **Floor Groups** or **Elevator Cars** depending on the type of elevator system Protege GX is integrating with.

### **Creating a Floor Group**

**Schedules** are used in conjunction with **Floor Groups** to define when certain floors are accessible. When integrating with a third party HLI elevator system, we use a floor group to define the default operation of each floor within the building.

If integrating with a third party HLI elevator system:

- 1. Navigate to Groups | Floors Groups.
- 2. Click Add.
- 3. Enter a Name for the floor group.

General History Usage	
← General	
Name	Elevator System Floor Group
Name (Second Language)	Elevator System Floor Group
Record Group	<not set=""></not>

- 4. In the Floors section, click Add.
- 5. Select the all the floors accessible by the elevator system, then click OK.

Floors	
Add	Delete
	Floors
	Record Group: Global Create Floor
	Name
	Building Floor 1
	Building Floor 2
	Building Floor 3 Ruilding Floor 4
	Building Floor 5
	Building Floor 6
	Building Floor 7
	Building Ground Floor
Record History	
Created	
Last Modified	Desc and dran items directly to the main window OP relast one or more items in the list and slick Or
	Drag and drop items directly to the main window OK select one or more items in the list and click OK
	Ok Cancel

6. Assign the **Schedule** relevant to the floor from those created previously (see page 15). The **Building Ground Floor** will be assigned the **Always** schedule as this floor is always freely accessible.

Floors	
Add	Delete
Name	Schedule
Building Floor 1	Floor 1 Unsecured with Valida
Building Floor 2	Floor 2 Unsecured with Valida
Building Floor 3	Floor 3 Unsecured with Valida
Building Floor 4	Floor 4 Unsecured with Valida
Building Floor 5	Floor 5 Unsecured with Valida
Building Floor 6	Floor 6 Unsecured with Valida
Building Floor 7	Floor 7 Unsecured with Valida
Building Ground Floor	Always

7. Click Save.

### Creating an Elevator Car

Schedules are used in conjunction with Elevator Cars to define when certain floors are accessible. When integrating with a standard elevator system, we use an elevator car to define the default operation of each floor within the building.

#### If integrating with a standard elevator system:

- 1. Navigate to **Programming | Elevator Cars**.
- 2. Click Add.
- 3. Enter a **Name** for the elevator car.

General Schedules and Areas History	
▲ General	
Name	Elevator Car
Name (Second Language)	
Record Group	<not set=""></not>

4. In the Floors section, click Add.

5. Select the all the floors accessible by the elevator system, then click OK.

Floors		
Add	Delete	
	Floors 🗖	×
	Record Group: Global Create Floor	
	Name	
	Building Floor 1	
	Building Floor 2	
	Building Floor 3	
	Building Floor 4	
	Building Floor 5	
	Building Floor 6	
	Building Floor 7	
	Building Ground Floor	
- Record History		
Created		
l ast Modified	Deep and deep items directly to the entire sindow OB scient and as more items in the list and slide Ok	
	brag and drop items directly to the main window OK select one or more items in the list and click OK.	
	Ok Cancel	

6. Assign the **Schedule** relevant to the floor from those created previously (see page 15). The **Building Ground Floor** will be assigned the **Always** schedule as this floor always freely accessible.

Floors	
Add	Delete
Name	Schedule
Building Floor 1	Floor 1 Unsecured with Valida
Building Floor 2	Floor 2 Unsecured with Valida
Building Floor 3	Floor 3 Unsecured with Valida
Building Floor 4	Floor 4 Unsecured with Valida
Building Floor 5	Floor 5 Unsecured with Valida
Building Floor 6	Floor 6 Unsecured with Valida
Building Floor 7	Floor 7 Unsecured with Valida
Building Ground Floor	Always

7. Click Save.

## **Creating Access Levels**

- 1. Navigate to Users | Access Levels.
- 2. Click Add.
- 3. Enter a **Name** for the new access level. This field should correspond to a particular floor to be granted access.

Arming Are	a Groups	Disarming Area Groups		Outputs	Output Groups		History	Usage
General	Doors	Door Groups	Floors	Floor Groups Elevator Gro		oups M	enu Groups	
<ul> <li>General</li> <li>Name</li> <li>Name (Sec</li> <li>Record Gro</li> </ul>	ond Languag	je)	Int Int <n< th=""><th>tercom Floor 2 tercom Floor 2 iot set&gt;</th><th>Access Access</th><th></th><th></th><th></th></n<>	tercom Floor 2 tercom Floor 2 iot set>	Access Access			

4. In the Configuration section of the General tab, set the following options:

Configuration		
Operating Schedule	Always	
Time to Activate Output (seconds)	180	
Reader Access Activates Output		
Keypad Access Activates Output		
Activate Output Until Access Level Expiry		
Enable Multi-badge Arming		

- **Time to Activate Output (seconds)**: Defines how long the floor is to be unsecured for when the intercom button is pressed. This field should be set to a value sufficient for a visitor to make their way to the elevator to select the desired floor after the intercom button has been pressed.
- Select the Reader Access Activates Output check box.
- 5. In the **Doors** tab, ensure that the virtual door is assigned.

Menu Groups	Menu Groups		Arming Area Groups			ng Area Groups	
Outputs		Output Grou	ps	Histo	ory	Usage	
General Door	s	Door Groups	Floors	Floor Groups		Elevator Grou	ps
Doors	_		Delete				Î
	N	ame			Sched	ule	
Intercom Credenti	al Doo	or (Virtual)		Always		<b></b>	

6. In the **Outputs** tab, ensure that the output validating the schedule of the floor to be accessed is added. In this example, we have assigned the **Floor 2 Unsecured VO** output.

General	Doors	Door Groups		Floors	Floor	Groups
Elevator (	Groups	Menu (	Groups	Arm	ing Area G	roups
Disarming Ar	ea Groups	Outputs Output		Groups	History	Usage
Outputs	٩dd		Delete			Î
Ν	lame		Controlle			
Floor 2 Unsee	cured VO	Elevator	Controller			-

#### 7. Click Save.

Repeat this process for each access level that corresponds to a floor within the building. In the scenario for this application note (see page 5), the following access levels have been added:

Access Levels	+ Add	L. Save	Find	Refresh	<mark>∕</mark> —∕↑ Export
List View Group Vie					
Name		Databa	se ID	Create	ed Date
Intercom Ground Floor	Access	0		23/01/2017 9:	24:18 a.m.
Intercom Floor 1 Access				23/01/2017 9:	39:08 a.m.
Intercom Floor 2 Access				23/01/2017 9:	39:42 a.m.
Intercom Floor 3 Access				23/01/2017 9:	39:46 a.m.
Intercom Floor 4 Access		4		23/01/2017 9:	40:01 a.m.
Intercom Floor 5 Access		5		23/01/2017 9:	40:23 a.m.
Intercom Floor 6 Access			23/01/2017 9:	40:29 a.m.	
Intercom Floor 7 Access				23/01/2017 9:	40:34 a.m.
		_			Þ

# **Creating User Credentials**

When programming Intercom Integration, **Users** are used to represent a particular access granted button press on the intercom device. In order to use the new credential type, it must be added to their record in Protege GX.

- 1. Navigate to Users | Users.
- 2. Click Add.
- 3. Enter a Name for the new user (access granted button press).

▲ General	
First Name	Intercom Button Suite 201
Last Name	
Name	Intercom Button Suite 201

In this example, the new user corresponds to a button press from apartment 1 on floor 2.

- 4. In the **Credentials** section, the **Intercom Button Press** credential type created previously (see page 7) will have been automatically added to the user.
- 5. In the **Credential** field, enter the required credential that will identify the button press from the apartment. This field will be checked against the number passed from the intercom.

Credentials			
Add Credentials to the list below.	Add		
Click the buttons above to ADD or	DELETE records.		
Credential Type		Disabled	
Intercom Button Press	<b>—</b>		201

In this example, the **Intercom Button Press 201** user has been assigned the credential 201. When this field in Protege GX is matched against button press 201 on the intercom, access will be granted for access to second floor through the elevator system.

6. Click Save.

Repeat this process for each unique credential that corresponds to an access granted button press passed from the intercom. In the scenario for this application note (see page 5), the following users have been added:

Users		+		<b>*</b>	1		
		Add	Save	Find	Refresh	Export	Сору
List View	Group V						
	Name		Data	base ID	Cre	eated Date	
Intercom B	utton Suite	101	5005		10/01/201	7 2:04:29 p.i	m.
Intercom B	utton Suite	102	5006		13/01/201	7 11:39:49 a	.m.
Intercom B	utton Suite		5007		13/01/201	7 11:39:56 a	.m.
Intercom B	utton Suite	201	5008		13/01/201	7 11:39:59 a	.m.
Intercom B	utton Suite	202	5009		13/01/201	7 11:40:03 a	.m.
Intercom B	utton Suite	203	5010		13/01/201	7 11:40:06 a	.m.
Intercom B	utton Suite		5011		13/01/201	7 11:40:13 a	.m.
Intercom B	utton Suite	302	5012		13/01/201	7 11:40:17 a	.m.
Intercom B	utton Suite		5013		13/01/201	7 11:40:21 a	.m.
Intercom B	utton Suite	401	5014		13/01/201	7 11:40:33 a	.m.
Intercom B	utton Suite	402	5015		13/01/201	7 11:40:38 a	.m.
Intercom B	utton Suite		5016		13/01/201	7 11:40:41 a	.m.
Intercom B	utton Suite		5017		13/01/201	7 11:40:56 a	.m.
Intercom B	utton Suite	502	5018		13/01/201	7 11:40:59 a	.m.
Intercom B	utton Suite	503	5019		13/01/201	7 11:41:02 a	.m.
Intercom B	utton Suite	601	5020		13/01/201	7 11:41:07 a	.m.:
Intercom B	utton Suite	602	5021		13/01/201	7 11:41:10 a	.m.
Intercom B	utton Suite	603	5022		13/01/201	7 11:41:13 a	.m.
Intercom B	utton Suite		5023		13/01/201	7 11:41:18 a	.m.
Intercom B	utton Suite	702	5024		13/01/201	7 11:41:25 a	.m.
Intercom B	utton Suite	703	5025		13/01/201	7 11:41:28 a	.m.
				-			

# Assigning Access Levels to Users

An **Access Level** must be added to each user record in order for the intercom to determine access to the corresponding floor upon a button press on the intercom device.

- 1. Navigate to Users | Users.
- 2. Multi-select the required user records and click on the Access Levels tab.
- 3. Click Add.



- 4. Select the required access level and click OK.
- 5. Click Save.

In this example, **Intercom Floor 2 Access** has been assigned to the **Intercom Button Suite 201/202/203** records. This means that an intercom button press from suite 201, 202 or 203 will grant access for floor 2.

Repeat steps 2 to 5 for each set of user records.

# Contact

Integrated Control Technology welcomes all feedback.

Please visit our website (http://www.ict.co) or use the contact information below.

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