GARDiS Controller Embedded Web Server

User Manual

UM0121 Issue 3



Foreword

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Cautions and Notes

The following symbols are used in this guide:



CAUTION! This indicates an important operating instruction that should be followed to avoid any potential damage to hardware or property, loss of data, or personal injury.



NOTE. This indicates important information to help you make the best use of this product.



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Œ

1. Introduction

Thank you for purchasing your TDSi GARDiS Controller door access control system. There are 3 main types of GARDiS master controller: -

- GARDIS 1
 - o 1-door controller with connections for 1-2* readers.
- GARDiS 2
 - 2-door controller with connections for 2-4* readers.
- GARDIS 4.
 - \circ 4-door controller with connections for 4-8* readers.

The GARDiS controller is operated independently and requires no separate software installation.

Configuration of the access control system is provided to the user via an embedded web server that can be accessed from any compatible web browser.

The GARDIS controller can operate as a master controller with up to 10** extension modules. Extension modules include slave GARDIS controllers that can allow capacity for up to 44 doors, I/O modules allowing the monitoring and control of equipment and wireless IP Locks***. More information on these extension modules will also be provided in this manual along with installation guides.

This manual will guide you through the configuration of GARDiS controllers via the embedded web server.

* The upper limit requires TDSi readers for the Reverse LRC protocol (In/Out Readers).

** Licensing dongle is required to allow more doors on the system.

*** Wireless IP Locks is limited to 10 doors.

2. Information and Recommendations

In accordance with the European directive UTE C00-200 incorporating directives 2004/108/CE, GARDIS complies with the following standards:

- NF EN 50081-1 governing electromagnetic radiation
- NF EN 50082-1 governing electromagnetic susceptibility



3. Specification

TDSi Part No.	GARDIS 1 5002-6001
	GARDIS 2 5002-6002
	GARDIS 4 5002-6004
Features	
Мах	5000 Credentials
Doors	1,2 or 4 doors
Readers	Up to 2 TDSi readers per door in a read-in read-out configuration. Alternatively, 1 reader per door equipped with industry standard clock & data, Wiegand multiformat or RS 485 output formats.
Inputs	1 per door Additional available with I/O Module
Outputs	Control Relay: 1 A / 12V - 1A / 24v
	1 used per installed door
	GARDIS 1: 2 Outputs
	GARDIS 2: 3 Outputs
	GARDIS 4: 5 Outputs
Expansion Options	GARDiS 4+ (4 door); 8 Inputs/8 Outputs module; Wireless IP Locks
Time Groups	128
Anti-Passback	Timed and true
Mantrap Function	Yes
Communications	TCP/IP and RS 485 for extension modules

4. Setting the IP Address

Static IP Mode: Default IP Address is 192.168.2.150 Subnet mask 255.255.255.0

The computer used to connect to the unit must have an IP Address within the 192.168.2.xxx range.

Step 1

Open a web browser e.g. Chrome, Firefox, Microsoft Edge. Enter the IP Address 192.168.2.150

A pop-up box will appear.

Enter the username: admin

Password: Printed on the sticker located on the plastic case of the GARDiS unit.



\leftrightarrow \rightarrow X () Not secure 192.168.102.80	
	Sign in http://192.168.102.80 Your connection to this site is not private Username Password
	Sign in Cancel

Step 2

After login, the following screen is displayed. Click Site configuration.





Click GARDiS Master Unit from menu.

TDSi	👸 Site configuratio	n 📰 Schedules and rights 👻	坚 Users	Events	🙍 Managers	? Help 🗸	□ _{Languages} -
	🔅 SITE CONF	IGURATION					
	GARDiS Master Unit						
	Readers -						
	Extensions -						
	Conditional Triggers -						
	Counters -						
	Lifts 🗸						

Step 4

Enter the required IP settings.

TOSi 🧯	Site configuration	🧰 Schedules and rights 🔹 🙁 Users 📰 Events 🧔 Managers 🧑 Help 👻 🏳 Languages 🔹	
ି	SITE CONFIG	URATION	
GAR Read Exte Conc Lifts	RDIS Master Unit iders + ensions + iditional Triggers + inters + s +	Configuration Readers 1 & 2 Readers 3 & 4 Event reporting ● DHCP ● Static IP address (Recommended)	
		Subnet mask : 255:255:0.0	
		GARDIS Embedded Web Server	

Step 5 Click Save



5. Validating a credential

This chapter steps you through setting up a door controller unit to give an "access granted" to a credential.

Step 1

Select the reader configuration

Option 1 - 1 reader per door

e.g. Reader channel 1 mapped to door 1, Reader channel 2 mapped to door 2 Option 2 – In/Out reader per door

e.g. Reader channel 1 mapped to door 1 (In reader), reader channel 2 mapped to door 1 (Out reader)

Note: To configure the controller for reverse LRC, option 1 is the option to select. Limitations to reverse LRC include access group rights (inherit from main reader) and conditional triggers (only the main reader can be selected).



Step 2 Click Save.





Configure Readers.

Select the reader to configure i.e. Reader 1.

TDSi	💣 Site configuratio	on 🛄 Schedules and rights 👻	坚 Users	Events	Managers	🏳 Languages 🗸	
	ổ SITE CON	FIGURATION					-
	Readers -						
	Reader 1						
	Reader 2						
	Reader 3						
	Reader 4						

Step 4

Set reader type to TDSi Reader.

TDSi 💣 Site configurat	tion 🧮 Schedules and rights 🔹 🙁 Users 📰 Events 🧟 Managers 🕜 Help 🔹 🏳 Languages 🔹	
💣 SITE CONF	IGURATION	
GARDIS Master Unit	© Reader 1 Open [r] Save ⊘ Back ←	
Readers -		
Extensions 🗸	C Enable reader	
Conditional Triggers 🗸	Configuration Door properties Alarm card Free access properties Card + PIN	
Counters 🗸		
Lifts 🗸	Reader type : TDSI Reader *	
	Anti-passback : Disabled * Manage maximum access per group Activate on valid presentation	
	Deduct from presentations	
	Do not count, do not test 🔻	
	Enabled interlocking mode	





TDSi	Site configuration	📰 Schedules and rights 🔹 🙎 Users 📰 Events Managers 🕜 Help 🔹 🏳 Languages 🔹	Ċ
	💣 SITE CONFI	GURATION	
		© Reader 1 Open [] Save ⊘ Back ←	
	Readers -		
		C Enable reader	
		Con	
		Update successful	
		A CK	
		Activate on valid presentation	
		Deduct from presentations	
		Do not count, do not test *	
		Enabled interlocking mode	

Set up the Access Groups

Add readers to the required access group. Note: A reader must belong to at least 1 access group in order to gain access (Access granted).

TOSi	Site configuration	Schedules and rights 👻	坚 Users	Events	Managers	☐ Languages -	
	💣 SITE CONFIG	Schedules Public holidays					
	GARDiS Master Unit	Access group					
	Readers -						
	Conditional Triggers 🗸						
	Counters 🗸						
	Lifts -						

Step 7 Select Group 1.

TOSi	🎯 Site configuration 📋 Schedules and rights 🔹 👟 Users 🔃 Events 🛫 Managers 🤿 Help 🔹 🏳 Languages 👻	
-	ACCESS GROUPS	
	Group 1	
	Group 2	
	Group 3	
	Group 4	
	Group 5	
	Group 6	
	Group 7	
	Group 8	
	Group 9	
	Group 10	
	Group 11	



Untick Prohibit the group checkbox.

TOSi	💣 Site configuration 📺 Schedules and rights 🔹 坚 Users 🔚 Events 🧬 Managers ၇ Help 🔹 🏳 Languages 👻	
	Group 1 Save 🖉 Back	
	Properties Permissions	
	Prohibit the group	
	Use reader hold time: • Yes: • No	
	Limited use: Yes No	

Step 9

Go to the Permissions tab. Select the schedule per reader within the access group

TOSi	Site configuration	Schedules and rights 👻 👢	Jsers 🚺 Events	🙆 Managers	🏳 Languages 🗸	
	🔅 Group 1				Save \bigcirc Back \leftarrow	
	Properties Permissions					
	Readers	Permissions				
	Reader 1	Permanent access 🔻				
	Reader 2	Access forbidden Permanent access				
	Reader 3	Schedule 1 Schedule 2				
	Reader 4	Schedule 3 Schedule 4				
		Schedule 5 Schedule 6			 	
		Schedule 7				
		Schedule 9				
		Schedule 10 Schedule 11				
		Schedule 12 Schedule 13				
		Schedule 14 Schedule 15				
		Schedule 16 Schedule 17				
		Schedule 18 👻				

Step 10

Select permanent access for 24/7 access through the reader.



TDSi	ੰ		Schedules and rights 🝷	🙁 Users	Events	Managers	🏳 Languages 🗸	
	ැලූදී Gro	up 1					Save \oslash Back $\left \leftarrow ight.$	
	Properties	Permissions						1
	Readers		Permissions					
	Reader 1		Permanent access 🔻					
	Reader 2		Access forbidden 🔻					
	Reader 3		Access forbidden 🔻					
	Reader 4		Access forbidden 🔻					

Click save. Success will be indicated.

TOSi	Site configuration	Schedules and rights 🔹 🖳 Users 📰 Events 🧟 Managers 🕜 Help 🕶 🏳 Languages	
	🔅 Group 1	Save 🖉	Back ←
	Properties Permissions		
	Readers	Permissions	
	Reader 1	Permanent access 🔻	
	Reader 2		
	Reader 3	upuate successitui	
	Reader 4	OK	

Step 12

Present the required card to the reader. Click Events menu option. Unknown identifier event should be displayed in list of events.

TDS	Site configuration	Schedules and rights 👻	🧟 Users	Events 🧖 Managers		🏳 Languages 🗸	Ċ
	EVENTS					Refresh 🕃 Export 🕣	
	Date	Description	Reader	Identifier	Last Name	First Name	
	18/11/2019 12:29:46	Unknown identifier	Reader 1	<u>30589</u>			

Step 13

Click the number in the Identifier column. This will open a New User form to create a new user. The card number is already defined.



TDSi	🧭 Site configuration 📺 Schedules and rights 🔹 🙁 Users 🔚 Events 🧟 Managers 🕜 Help 🔹 🏳 Languages 👻	
	Image: Save Organization Back	
	Identity Permissions Options	
	Last Name : First Name :	
	Identifier: 30589 Card T	
	Presence: Undetermined Delete	

Enter details for the new user i.e. last name

TDSi	ổ Site configuration 📺 Schedules and rights 🔹 🖳 Users 🔚 Events 🧟 Managers ၇ Help 🔹 🏳 Languages 🔹	்
	Image: Save (Image: Save (I	
	Identity Permissions Options	
	Last Name : Smith First Name : John	
	Identifier: 30589 Card T	
	Presence: Undetermined Delete	



Go to Permissions tab. Select Permanent access to say they are authorised 24/7.

TOSi	Site configuration	Schedules and rights 👻 🚨 U	Jsers 🚺 Events	Managers	💮 Help 🕶 🏳 Langua		Ċ
	💣 NEW USER				Delete 🗙 Save	\bigcirc Back $\left \leftarrow\right.$	
	Identity Permissions Options]					
	Status : Authorized 🔻						
	Schedule : Access Group schedule ▼ Access Group schedule ◆						
	Validity dai Pernanent access Schedule 1 Enable Schedule 2						
	Access gro Schedule 4 Schedule 5						
	Group 1: Schedule 6 Schedule 7 Group 2: Schedule 8						
	Schedule 9 Group 3 : Schedule 10 Schedule 11						
	Schedule 12 Schedule 13 Schedule 14						
	Schedule 15 Schedule 16 Schedule 17						
	Schedule 18 -						

Step 16

Select Group 1 to assign user to Access Group. Note: Limit of up to 3 Access groups per user.

TOSi	ổ Site configuration 📺 Schedules and rights 🔹 🙁 Users 🔚 Events 🤌 Managers ၇ Help 🗸 🏳 Languages 🔹	
	Back ←	
	Identity Permissions Options	
	Status: Authorized *	
	Schedule : Permanent access	
	Validity dates	
	Access groups	
	Group 1: Group 1 V	
	Group 2: Group 1	
	Group 3 : Group 3	
	Group 4	
	Group 6	
	Group 7	
	Group 8	
	Group 9	
	Group 11	
	Group 12	
	Group 13	



Click save. Success is indicated.

TDSi	👸 Site configuration 🧮		坚 Users 🔃 Events	🖉 Managers	🕐 Help 🖌 🏳 Languages 🗸	
	🗭 NEW USER				Delete 🗙 Save 🔗 Back	\leftarrow
	Identity Permissions Options					
	Status : Authorized 🔻					
	Schedule : Permanent access					
	Validity dates					
	Access groups	ок				\exists
	Group 1: Group 1 🔻					
	Group 2 : Not defined ▼					
	Group 3 : Not defined *					

Step 18

Person is now in list of users.

TOSi	Site configuration	📰 Schedules and rights 🔹 坚 Users	Events 🧟 Managers 🖓 H	leip • 🏳 Languages •	
	ổ USERS		Reset anti-passback (+) Delete all	users X Import List + Create +	_
			Search		
	Identifier	Identity	Groups	Status	
	<u>30589</u>	Smith John	Group 1	Authorized	-

Step 19 Place card on reader

18/11/2019 13:04:40	Access Granted	Reader 1	30589	<u>Smith</u>	
	ACU start-up				

Access granted is now displayed containing details of card number and the person's name.



It is advisable to back up the database within your GARDiS Unit.

Click on Site Configuration from the top menu, then click GARDiS Master Unit from the left menu. Click Backup.



This will initiate the backup process and display a completed message box when finished.

TDSi			Ċ
	🗭 SITE CONFIG	URATION	
		GARDIS Restore from backup 🕞 Backup 📄 Save 🔗 Back 🦛	
		Configuration Readers 1 & 2 Readers 3 & 4 Event reporting	
	Conditional Trig		
		Gateway:	
		Web server port: 80	
TOSi	Site configuration	📰 Schedules and rights 🔹 🖳 Users 📰 Events 🧟 Managers 🥜 Help 🔹 🏳 Languages 👻	Ģ
TOSi	Site configuration	📰 Schedules and rights 🔹 🖳 Users 📰 Events 🧟 Managers 🕜 Help 🕶 🏳 Languages 👻	Ċ
TOSi	Site configuration	Schedules and rights • 😢 Users 📰 Events 🧟 Managers 🕐 Help • 🏳 Languages • URATION	Ċ
TOSi	Site configuration	Schedules and rights * Lunguages * JRATION Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights * Image: Schedules and rights * Save in the schedules and rights *	Ċ
TOSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers • Extensions •	Schedules and rights * Superson Events Managers Help * Languages * JRATION Image: Configuration Readers 1 & 2 Readers 3 & 4 Event reporting	Ċ
TOSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers • Extensions • Conditional Triggers •	Schedules and rights Schedules and rights	Ģ
TDSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers • Extensions • Conditional Triggers • Counters •	Schedules and rights Steel Users Interpretation Readers 1 & 2 Readers 3 & 4 Events Backup Save Backup Save Backup Save	Ċ
TDSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers + Extensions + Conditional Triggers + Counters + Lifts +	Schedules and rights	Ċ
TDSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers • Extensions • Conditional Triggers • Counters • Lifts •	Schedules and rights Users Events Anagers Help Languages JRATION Image: Configuration Readers 1 & 2 Readers 3 & 4 Event reporting Backup saved Image: Configuration Readers 1 & 2 Backup saved Image: Configuration Readers 1 & 2 Backup saved Image: Configuration Readers 1 & 2 Backup saved Image: Description Image: Description	Ċ
TDSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers • Extensions • Conditional Triggers • Lifts •	Schedules and rights Steel Users Events Image: Configuration Readers 1 & 2 Readers 3 & 4 Event reporting Backup saved Backup saved Backup saved Backup saved	Ċ
TDSi	Site configuration SITE CONFIGU GARDIS Master Unit Readers • Extensions • Conditional Triggers • Lifts •	Schedules and rights Suses Events Managers Help Languages JRATION Configuration Readers 1 & 2 Readers 3 & 4 Event reporting Backup saved Uses Backup saved Speed : 10/100 Mbps * Web server port: B0	Ċ



The backup file will be downloaded into the default downloads folder

тосі 💣	· □ · ② · □ ·	Ċ
SITE CON	IFIGURATION	
GARDiS Master Unit	GARDIS Restore from backup 🕞 Backup 🖺 Save 🔗 Back 🧲	
Readers -		
	Configuration Readers 1 & 2 Readers 3 & 4 Event reporting	
Conditional Triggers 🗸		
Counters -	Static IP address (Recommended)	
Lifts 🗸	IP address : 192.168.102.80	
	Subnet mask : 255.255.0.0	
	Gateway :	
	Speed: 10/100 Mbps *	
	Web server port: 80	
	GARDIS Embedded Web Server	
ᡖ васкир 🔷	She	w all X

7. Restore from Backup

To restore from a backup, **click on Site Configuration from the top menu, then click GARDIS Master Unit** from the left menu.

Click Restore from backup.

TOSi	Site configuration	n 🧮 Schedules and rights 🔹 坚 Users 🔚 Events 🧟 Managers ၇ Help 🔹 🏳 Languages 🔹	\bigcirc
	SITE CONFIC	GURATION	
	GARDiS Master Unit	GARDIS Restore from backup 🕞 Backup 📄 Save 🔗 Back 🦟	
		Configuration Readers 1 & 2 Readers 3 & 4 Event reporting	
	Conditional Triggers 🗸		
		Static IP address (Recommended)	
	Lifts 🗸	IP address : 192.168.102.80	
		Subnet mask: 255.255.0.0	

A file explorer window will open. Navigate to the required directory and select the backup file to restore.

Note: The backup file must be named BACKUP (cannot use a renamed file).



Open					×
← → × ↑ 🔒 > This PC > Local Disk (C:)	> Dat	tabaseBackups	ٽ ~	Search DatabaseBac	kups 🔎
Organise 🔻 New folder					- 🔳 🕐
🔒 Program Files	^	Name	Date modified	Туре	Size
Program Files (x86)		BACKUP	19/11/2019 09:13	File	188 KB
ProgramData					
SymCache					
Temp					
Users					
Windows					
KHEO INC					
👝 Local Disk (E:)					
👝 Development (F:)					
🛖 Public (P:)	~				
File name: BACKUP			~	All Files (*.*)	~
				Open	Cancel

Once selected, **click open**. This will initiate the restore process.

ТО	5; 💣 · 📽 🖽 🧟 🤈 · 🏳 ·	Ċ
	C RESTORATION	
	Choose file BACKUP	
	Save	
I		
	Restoration in progress	

A message box will display once completed.

TDSi 💣 🚞	• 😫 🔮 🕜 • 🏳 •	ப்
💣 RESTORAT	ION	
	Choose file BACKUP	
	Save	
ок		
_		



8. Site Configuration This chapter will provide details of the individual properties of the controller settings.

8.1 GARDiS Master Unit

8.1.1 Configuration

General configuration of the door controller.

TDSi	Site configuration	📰 Schedules and rights 👻 🖳 Users	📰 Events 🤌 Managers 🕜 Help 🕶 🏳 Languages 🗸
	ổ SITE CONFIGU	RATION	
	GARDIS Master Unit	🗭 MASTER CONTROLLER	Restore from backup 🕞 Backup 🔚 Save 父 Back 🧲
	Readers -		
	Extensions -	Configuration Readers 1 & 2 Readers 3 &	4 Event reporting
	Conditional Triggers - Counters -	DHCP Static IP address (Recommended)	IP Configuration settings. In DHCP mode it is
		IP address : 192.168.102.80 Subnet mask : 255.255.0.0	also possible to connect using dns name. http://gardis-xxxx where xxxx is the last 4 digits of the mac address.
		Gateway :	Enable and set gateway
		Speed : 10/100 Mbps * Web server port: 80	Set based on speed of network connection
		Anti-passback	Enable/Disable within the unit.
		Automatic time change	Automatically change the clock for summer time changes. Set the date and time within the unit. Click Set time to send setting to unit.
		Clock compensation	If you find the unit is losing time, use this setting to automatically adjust the clock
		Tamper Case tamper switch Mains power Off	Wiring the unit as required. When enabled, set the polarity. NO Normally opened / NC Normally closed
		Interlocking management Active	Mantrap setting
		Conditional trigger relay Change polarity	Based on the Conditional O/P wiring
		Security level Level 1 *	Up to 3 levels of security
		Firmware update	Update firmware within unit.
		Choose file No file chosen	



8.1.2 Operating Mode/Readers

On GARDiS 4, the "Operating mode" tab highlighted below is displayed across 2 tabs, grouped by readers.

Select the first option for a reader channel per door i.e. Reader 1 operating door 1, Reader 2 operating door 2.

Select the second option for read in (reader channel 1) and read out (reader channel 2)



8.1.3 External Integrations

External Integrations allows for third parties to integrate with the GARDiS controller.

Enable external Integrations: Selecting this option displays an IP Address and Port text box. Enter the details of the endpoint you wish to send event information.

Allow remote opening: By ticking this option, the GARDIS controller will allow an http request to open a door. An example of the http request is displayed below, where the index indicates the door relay to open i.e. door 1 and the IP address is the unit's IP Address. The response will contain OK if actioned. The event "Opening by CTM" will be generated along with the reader number associated to the door.

http://192.168.102.54/open.iws?index=1

TDSi	Site configuration	🧱 Schedules and rights 🔹 🖳 Users 🔚 Events 🧟 Managers ၇ Help 🔹 🏳 Languages 🔹
	🔊 SITE CONFIG	IURATION
		MASTER CONTROLLER Restore from backup 🕒 Backup 📄 Save 父 Back ←
		Configuration Operating mode External Integrations
		Chable external integrations
		IP address :
		Port:
		Allow remote opening

8.2 Readers

Select the reader technology required from the drop-down menu. The available configurations for that technology is automatically updated on the screen.

Reader Type: Select the required technology of the reader. Supported reader types: Wiegand, clock & data, OSDP, SSCP. Changing the reader type will alter the first section to contain configuration required for the selected type.

Anti-Passback: This allows the reader to be configured for anti-passback. By default, it is set to



Disabled. Other options include:

- Entry: Entry reader.
- **Exit**: Exit reader.
- Entry / Exit: Entry and exit reader.

Manage maximum access per group: Enable limitations of the number of entries through a reader based on access group.

Activate on valid presentation: Activate the anti-passback in collaboration with the door sense i.e. when the user presents a valid credential and opens the door. In order for this functionality to work the Door properties must be configured to have the Door sense property set. By default, this is set to Disabled. Note: This changes the events generated by the unit. When a valid credential is presented to the unit, "User awaiting validation" event is generated first. When the user opens the door (within the lock delay), the Access Granted" event is then generated.

Deduct from presentations: This enables the amount of times a credential has operated a reader. The credential must also be configured with the *Number of presentations* option ticked and an initial value set. Options include:

- Do not count, do not test: Perform no validation checks
- **Test:** Test the number of times the credential has been used on the reader without counting. Block the user if the amount is 0. When the limit has been reached, the event "Access limit reached" is generated.
- **Test and count**: Test the number of times a credential has been used on the reader and deduct from the count, then block the credential if the access count amount is 0. New event is generated with this option "Access Count". The event includes the amount of counts left for that credential. When the limit has been reached, the event "Access limit reached" is generated.
- **Daily Count**: Deduct from the count a maximum of 1 per day. The credential can be presented to the reader numerous times in a single day and only 1 would be deducted from the count.



Enable interlocking mode: Enable man trap.

8.2.1 Keypad readers

When using a reader with a keypad, select **Reader with keypad** from the **Reader type** drop down. A new section will be displayed to allow further configuration.

Keypad type: Select the required output type. Available options: - Wiegand 4 bit (send out each key press as a 4 bit data) or Wiegand 26 bit (send out a number of key presses as 1 26 bit data length). Set Wiegand 4 bit option for TDSi Keypad readers.

Keypad lock: Select whether you would like the keypad to be disabled after a number of incorrect PIN entries (Maximum of 10). This option is set to "Never lock the keypad" by default.



Lock the keypad during: Set the number of seconds to lock the keypad if Keypad lock option is set. Maximum value 255, Minimum value 1.

Reader type: Set the Wiegand output type. Additional options are available depending of the Wiegand option selected e.g. Site code management. Set Wiegand 26 bit for TDSi readers.

Below is a typical setup for TDSi readers with keypad.

Configuration	Door properties	Alarm card	Free access properties	Card + PIN	
Reader type :	Reader with keypad	T			
Advanced con	figuration				
Keypad type :					
Wiegand 4 bi	t 🔻				
Keypad lock :					
Never lock th	ie keypad	7			
Lock the keyp	ad during :				
1	s.				
Reader type :					
Wiegand 26	bit 🔻				
Enable site	code management				
					\exists
Anti-passbac	k: Disabled 🔻				
Managa m	avimum arrace nar an	GARDiS Embed	dded Web Server		

8.2.2 Clock & Data

It is possible to set the number of characters when setting the reader to Clock & Data. Maximum value 13. Minimum value 1. This will take the least significant digit (LSD). For example if an output was set to 8 digits and the following was reported: 85476456. If the output was then set to 4, the number taken by the unit would be 6456.

Configuration Door properties Alarm card Free access properties Card + PIN	
Reader type : Clock & Data	
Advanced configuration	
Number of characters :	
8 Characters	
Anti-passback : Disabled Manage maximum access per group	

8.2.3 Custom Wiegand

Select Custom Wiegand from the dropdown menu.

Auto detection of the Wiegand format is provided. Ensure the required reader is attached to the reader channel. Enter the card number in the **Credential** data field. Click **Start** and present the card to the reader. The Received frame data field will display the Wiegand data received by the unit. Click **Save** to program the Wiegand format to the controller.



TOSi	Site configuration	Schedules	and rights 👻 🚨		Events 🦉 Ma	inagers 🥎) Help - 🏳 L	
	SITE CONFIG	URATION						
	GARDiS Master Unit	{Õj ^{\$} Reader	Open 🕞 Save 🤇	\bigcirc Back $\left \leftarrow ight.$				
		_						
	Extensions -	Enable reader						
		Configuration	Door properties	Alarm card	Free access properties	Card + PIN		
							_	
		Reader type :	Custom Wiegand	Ŧ				
		Automatic de	tection					
		Credential: 1						
		Start						
		Received fram	ne:					
		Advanced con	figuration					

8.2.4 Door properties

This tab allows the configuration of properties relating to the door equipment.

Lockstrike off mode

End of open door command: This sets the lockstrike to off when the door is opened. To use this function, set the Door sense property.

Allow access group delay: This allows access groups to use their own defined lock time. Lock time: Number of seconds to release the lock relay. Setting to 0 will toggle the relay. Maximum value 255.

LED output: Options to drive the behavior of the reader LED.

- Trigger by door release: When the door relay is activated display success.
- Trigger by door sense: When the door is opened display success.
- **Trigger by door sense and lock state**: This can be used in conjunction with End of open door command.

Conditional input: This is linked to the conditional I/P connection available on the unit. By default this is set to *Disabled*. Available options:

Vehicle Detection NO Vehicle Detection NC Intruder Armed NO Intruder Armed NC Break glass monitoring NO Break glass monitoring NC

Request to exit: This is linked to the Exit button connection on the unit. By default this is set to Disabled. Set to the required polarity i.e. Normally opened (NO) or Normally Closed (NC).

Operating schedules: The request to exit button can be configured to be enabled only during a schedule. By default it is set to *Always enabled*.

Door Sense: This is linked to the Door sense connection on the unit. By default this is set to Disabled. Set to the required polarity i.e. Normally opened (NO) or Normally Closed (NC). **Door Locked Delay:**



TDSi	💣 Site configuration	📰 Schedules and rights 🔹 🕰 Users 📰 Events 🧟 Managers 🕜 Help 🔹 🏳 Languages 👻
	ổ SITE CONFIG	URATION
		👸 Reader 1 Open [r] Save 🖉 Back (
	Readers -	✓ Enable reader
		End of open door command Allow access group delay
		Lock time: 5 s (zero : Bistable)
		LED output: Triggered by door release
		Conditional input: Disabled
		Request to exit : NO 🔻
		Operating schedules: Always enabled 🔻
		Door sense: NO 🔻
		Door Locked delay



9. Schedules

The GARDiS controller allows the end user to create up to 128 schedules.

9.1 Creating a Schedule To setup a schedule, click Schedules and rights from the top menu bar and then click Schedules.

TOSi	Site configuration	n 📰 Schedules and rights 👻	坚 Users	Events	Managers	? Help 🕶	🏳 Languages 🖌
		Schedules					
		Public holidays					
ſ		Access group					
	GARDiS Master Unit						

Select the first available schedule in the list. In this example, **Schedule 1** will be used.

TDSi	👸 Site configuration	Schedules and rights 👻	坚 Users	Events	Managers	🕐 Help 🕶	☐ _{Languages} →	
_	SCHEDULES							
ĺ	Schedule 1							ח
	Schedule 9							
	Schedule 10							
	Schedule 11							



A new name can be defined for the schedule. Up to 10 Schedule periods within 1 day can be defined.

Sche	dule 1	•	Enter nev	v schedule	name if rec	quired.		Delete 🗙	Save 🕢 E	lack 🛛 🗲
Display: Ever	yday	Ŧ								
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Per
Monday										
Tuesday										Т
Wednesday										
Thursday										Т
Friday										
Saturday										Т
Sunday										
Public										

Select the frequency period. It allows easy configuration for repeated schedules. This also updates the table displayed.

- **Everyday** Allow individual configuration per day.
- Monday to Friday / Weekend Define periods to be repeated Monday to Friday, a separate period definition for the weekend and a separate period definition for Public holidays.
- Monday to Sunday Define periods to be repeated Monday to Sunday and a separate period definition for Public Holidays.
- Monday to Saturday / Sunday Define periods to be repeated Monday to Saturday and a separate period definition for Sundays and a separate period definition for Public Holidays.

Schedule 1 Dete X Save X Back	JSi	Site configuration		🚨 Users	Event	s 🧟 Mai	nagers 🥎	Help 🗕 🏳		
Display: Everyday Everyday Period 3 Monday Monday to Friday / Weekend Monday Monday to Sunday Monday Monday to Sunday Monday Monday to Saturday / Sunday Tuesday Image: Saturday Image: Saturday Image: Saturday Saturday Image: Saturday Public Image: Saturday Public Image: Saturday	[Schedule 1						Delete 🗡	Save 🕢	$_{\text{Back}} \leftarrow$
Monday Mon	ſ	Display: Everyday v Everyday Monday to Friday / Weekend	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period
Wednesday Image: Staturday Saturday Public holidays		Monday to Sunday Monday to Saturday / Sunday Tuesday								
Thursday Friday Saturday Quella Quella Public holidays		Wednesday								
Saturday Sunday Public holidays		Thursday Friday								-
Sunday Su		Saturday								T
holidays		Sunday								
		holidays							<u>ا ما ا</u>	

Everyday example displayed below.

Monday to Friday / Weekend example displayed below.



	Cabadula 1		cheudies and right							
	Schedule 1							Delete	Save 🗸	
Displa	y: Monday to Frida	ay / Weekend 🔻								
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period
Mono to Fri	day iday									
	rday lay									
Publi holida	ays									

Monday to Sunday example displayed below.

rosi	ୖ		n 🛄 Sci		; • 坚 (Jsers	Events 🧟		? Help 🔹	🏳 Languages	
	Scl	hedule 1							Delete (X Save 📿	$_{\text{Back}}$
	Display: 1	Monday to Sunday Period 1	▼ Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
	Monday to Sunday	00:00-23:59									
	Public holidays	00:00-00:00									
	L										

Monday to Saturday / Sunday example displayed below.

TDSi	°°		Sch		🔹 坚 User	5 🚺 Ever	nts 🧟 M	lanagers (?) Help •	J _{Languages} ,	
_	Sch	edule 1							Delete (\times	Save 🗸	$_{\text{Back}} \leftarrow$
	Display: M	onday to Saturday Period 1	r / Sunday ▼ Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
	Monday to Saturday	00:00-23:59									
	Sunday	00:00-23:59									
	Public holidays	00:00-00:00									

Enter a name for the schedule and select the required frequency period. Click in the first period text box.



Cle	aner	-	Ent	er the nam	e here.			Delete 🗡	J Save 📿	$_{\text{Back}}$
Display: N	Nonday to Friday / N	Weekend 🔻 🕇	Sel	ect the frea	quency pe	riod				
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
Monday to Friday										
Saturday and Sunday										
Public holidays										

A new window is displayed. This allows the entry of a start and end time. The below example is setting a schedule period of 4am to 6am. Enter the required values into the boxes (hour and minutes in 24-hour format) Click **Save**.

Edit period		$\begin{array}{c c} & \swarrow \\ & \swarrow \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\$
	From 04 : 00 To 06 : 00	

NOTE: To have an all day 24/7 schedule, enter 00:00 to 00:00.

This will enter the values into the Period 1 text box. Continue to enter required schedule periods. The below example is set to allow entry 4am-6am and 6pm to 8pm during the week. At weekends entry is set to 12pm to 4pm. On public holidays there is no allowed entry. Click **Save** when complete. This schedule is now available to use on objects such as Access Groups.

DSi	්		Sche		- 🗳 Users	s 💽 Ever	nts 🙍 M	anagers 🥎	Help 🖌 🏳) Languages 👻	
-	E Clea	aner							$_{ m Delete}$ ($ imes$	Save 🕢 E	$ $ \leftarrow
	Display: M	londay to Friday /	Weekend 🔻								
		Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
	Monday to Friday	04:00-06:00	18:00-20:00								
	Saturday and Sunday	12:00-16:00									
	Public holidays										

9.2 Assigning a schedule to an access group

To assign a schedule to an access group, click **Schedules** and rights and then click **Access Groups**. Configure the access group as required i.e. set the name etc. Click **Permissions** tab and select the required schedule per reader from the **Permissions** dropdown.



TDSi		Site configuration			🙅 Users	Events		? Help 🕶	Ц	
	ž	Cleaners								Save \bigcirc Back \leftarrow
	P	Permissions								
		Readers	Permissions					Lifts		
			Access forbidden	1				None 🔻		
			Access forbidden Access					None 🔻		
			Cleaner							
			Schedule 2							
			Schedule 3							
			Schedule 4							
			Schedule 5							
			Schedule 7							
			Schedule 8							
			Schedule 9							
			Schedule 10							
			Schedule 11							
			Schedule 12							
			Schedule 13							
			Schedule 14							
			Schedule 15							
			Schedule 16							
			Schedule 17							
			Schedule 18							

This will set the selected schedule within the dropdown.



10. Users

This section allows credentials to be added to the controller. Access this section by clicking Users along the top menu. A list of existing credentials are displayed.

Actions available in this section:

Reset all anti-passback: Reset all credentials anti-passback settings. This will allow all credentials access to the reader if anti-passback has been enforced.

Delete all users: Delete all credentials in the unit. This requires an addition confirmation action. **Import List**: Import credentials from a file.

Create: Add a new credential into the unit.

TOS	i () Site configuration	Schedules and rights 🔹 🚨 Users	Events 🧖 Managers	⑦ Help → □ Languages →
	🗭 USERS		Reset all anti-passback (+)	Delete all users 🗙 Import List 🕂 Create 🕂
			Search	
	Credential	Identity	Groups	Status
	Credential	Identity	Groups	Status
	Credential	Identity	Groups	Status

10.1 Create new user

To create a new user/credential in the unit, click Create in the User section. User properties are divided into three sections, **Identity**, **Permissions** and **Options**.

10.1.1 Identity Tab

Surname: Last name of person

First name: First name of person

Credential: Credential number. Select the type from the dropdown. Available options:

- Card
- Card Application
- RF key fob
- Keypad

Presence: Date and time of entry. This data is automatically filled in by the system when antipassback is enforced. Use the Delete button to reset an individual's anti-passback. Note: Click Save to update this option. Undetermined is the default display.

TOSi	ổ Site configuration 📺 Schedules and rights 🔹 坚 Users 🔚 Events 🧟 Managers ၇ Help 👻 Languages 🔹
	Delete Save Back
	Identity Permissions Options
	Surname : First Name :
	Credential: Card •
	Presence: Undetermined Delete
1	

10.1.2 Permissions Tab

This tab allows the access permissions for a credential to be defined. Note: Up to **3 Access Groups** can be defined per credential.

Status: Easily set a credential to be authorized or not allowed.



Schedule: Set the credential to follow a schedule. The options include:

- Access Group schedule (default option). Follow the schedule of the access groups.
- Permanent access. Allows allow through the readers without following any schedule.
- Select a schedule from the system that the credential uses.

Validity dates: Tick the enabled option to display start and end dates and times. This will validate the credential during the period set.

Access groups: Select up to 3 access groups per credential.

TDSi	Site configuration Schedules and rig	nts 🔹 坚 Users	📰 Events 🦉	?) Help + F	
	🗭 NEW USER			Delete $ imes$	J Save \bigcirc Back $\left \leftarrow ight.$
	Identity Permissions Options				
	Status: Authorized Y				
	Schedule : Access Group schedule 🔻	Validity dates			
	Validity dates Enable	Start:			
	Access groups	End:			
	Group 1 : Not defined 🔻	At: :			
	Group 2 : Not defined 🔻				
	Group 3 : Not defined 🔨				

10.1.3 Options Tab

This tab allows additional properties to be set.

Intruder management: Set the credential to be an intruder user.

Ignore anti-passback: The credential is not checked for anti-passback.

Reset anti-passback: Reset the anti-passback.

Office Mode Management: Allow the credential to use Office Mode.

User must enter PIN after card: If reader is configured to use Card or Card + PIN, this credential must use Card + PIN.

Number of presentations: Enter starting number of limited uses.

DSi	ổ Site configuration 📺 Schedules and rights 🔹 🖳 Users 🔚 Events 🧟 Managers ၇ Help 🔹 🏳 Languages 🔹
	$\bigcirc \text{NEW USER} \qquad \qquad$
	Identity Permissions Options
	Intruder management
	Reset anti-passback
	Office Mode Management Uses much onter DIN after card
	User must enter Pilv after Caru
	Number of presentations



TOSi	ổ Site configuration 📺 Schedules and rights 🔹 坚 Users 🔚 Events 🧟 Managers ၇ Help 👻 🏳 Languages 👻
	Image: Object to the state of the state
	Identity Permissions Options
	Sumame : Smith First Name : John
	Credential: 97499795 Card 🔻
	Presence: Entry time 20/02/2020 11:43 Delete

10.2 Create new user from event

The embedded web server allows the creation of a user from the event list.

Step 1 Click on the credential number that is highlighted as a link.

TOS	i 👸 Site configuratio	on 📰 Schedules and righ	ts 🔹 ≗ Users	Events 🧟 M	lanagers ၇ Help 🕶	🟳 Languages 🗸
	EVENTS					Refresh 😥 Export 🕣
	Date	Description	Reader	Credential	Surname	First Name
-	20/02/2020 11:23:08	Unknown credential	Reader 1	<u>97499795</u>		

Step 2 The system will automatically load the New User screen with the credential number automatically filled in. Enter any further properties required and then click **Save**.

TDSi	Site configuration	s and rights 👻 坚 Users	Events 🧖 Managers	⑦ Help ▼ ^{CI} Languages ▼	
	🔊 NEW USER			Delete 🔀 Save 📿 B	$_{\text{Back}} \leftarrow$
	Identity Permissions Options				
	Sumame : First Name :				
	Credential: 97499795 Card	v			
	Presence: Undetermined	Delete			
l					

10.3 Importing Credentials

There is a limitation of 100 users using the ISO8859-1 file format. The available properties that can be mapped: **Credential, Surname, First Name, Group 1, Group 2, Group 3, Start Date, End Date**. The **comma** character is set by default as the delimiter, other options include tab and semicolon.

Select the column to map to each property. The import process can read up to 20 columns. Step 1 Select required file by clicking **Choose file** button.

Step 2 Select character separator from the dropdown menu.

Step 3 Map required properties by selecting the matching column.

Step 4 Click **Save** to start the import process.





10.4 Delete all Users

To delete all users, click **Delete all users** from the action bar.

A confirmation window appears. Type CONFIRM then click the **Confirm** button.

A new window is displayed to indicate deletion is in progress. When completed, Success window is displayed.

TDS	i 💮 Site configuration	Schedules and rights 👻 🙎 Users	Events 🧟 Managers 🥎 H	elp + 🏳 Languages +
	🗭 USERS		Reset all anti-passback 🔶 Delete all us	ers X Import List + Create +
			Search	
	Credential	Identity	Groups	Status
		Please type CONFIRM to remove all users		1
			CONFIRM	
		Cancel	Confirm	

10.5 DDA Users

This section details how to allow required credentials extra time to gain entry through a door. This option is actioned using an access group rather than the individual credential.

Step 1 Configure the door properties

Click **Site configuration**, select the required **reader** from the left menu and click the **Door properties** tab. Then check the box **Allow access group delay**.

TDSi	Site configuration	🖡 🛄 <mark>1 st Click d</mark> irights 🔹 🖳 Users 🔚 Events 🧬 Managers 🕜 Help 👻 🏳 Languages 🗸
	ổ SITE CONFIGU	JRATION
	GARDIS Master Unit	© Reader 1 Open [Save ⊘ Back ←
	Readers -	
	Reader 1	Configuration Door properties Admirea 3rd CliCk ess properties Card + PIN
	Counters -	Lockstrike off mode
		End of open door command Allow access group delay
		Lock time: 5 s (zero : Bistable)
		LED output: Triggered by door release
		Request to exit : NO V
		Operating schedules: Always enabled 🔻
		Door sense: NO V
		Door Locked delay



Step 2 Configure the Access group

Click Schedules and rights from the top menu, then click Access group.

TDSi	Site configuration	Schedules and rights 👻	坚 Users	Events	Managers	🕐 Help 🔹	□ Languages →
		Schedules					
		Public holidays					
í		Access group					
	GARDiS Master Unit						

Click the required Access group from the list e.g. Group 1. Then select **No** for **Use reader hold time** to override the reader hold time. This allows the configuration of the lock time for credentials within this access group. In the example below, credentials in this group will have 30 seconds to open the door. Maximum value 254. Click **Save**.

TOSi	🗭 Site configuration 🗰 Schedules and rights 🔹 坚 Users 🔚 Events 🧟 Managers 🕜 Help 🔹 🏳 Languages 👻
	Group 1 Save ⊘ Back ←
	Properties Permissions
	Prohibit the group
	Use reader hold time: ● Yes ● No
	Lock time: 30 \$ (zero : Bistable)
	Limited use: • Yes • No

11. Adding Extensions

A GARDiS master can support

- Up to 10 x (GARDIS 4 EXT OR GARDIS IO EXT extension units)
- OR
- 1 IP Lock Hub with up to 10 IP Locks.

To add extension modules to the master controller, click **Site Configuration**, then click **Extensions** then **Add** from the left-hand menu.

TDSi	💣 Site configur	ration	Schedules and rights 👻	坚 Users	Events	Managers	? Help 🕶	🏳 Languages 🕶
	🔅 SITE CON	FIGUR	ATION					
	Readers -							
	Extensions -							
	Add							
	Lounters -	1						



The extensions available will display in the main window.

TDSi	💮 Site configura	ation E	🕶 坚 Users 🚺	Events 🧖 Man	hagers 🕐 Help 🕶	🏳 Languages 🗸
	🔅 SITE CONI	FIGURATION				
	Readers -				$\left \leftarrow\right.$	
	Extensions -		Create GARDIS 4 EXT			
	Conditional Triggers -					
	Counters -					
			Create Smart Intego	Create GARDIS IO EXT		

11.1 GARDIS 4 EXT

These slave controllers allow up to 4 doors per controller (up to a maximum of 10) to be added the master controller.

11.1.1 Fallback Mode

If a slave unit loses communication to a master controller there are a number of fallback modes available to end users.

Disable \Enable the exit button. This allows the end user to configure egress function when connection to master is lost.

TDSi Of Site configuration	n 🤠 Schedules and rights 🔹 🙁 Users 🔚 Events 🧟 Managers 🧑 Help 🔹 🏳 Languages 🔹	
😴 SITE CONFIC	GURATION	
	Settings Readers 1 & 2 Readers 3 & 4	
	Tamper	
	Case tamper switch input	
	PSU fault input	
	Fallback mode	
	Enable exit button	
	Deny all credentials 💌	
	Accept all credentials	
	Check site code Switch to unlocked	
	Choose file Into the chosen	
	Update type: Normal *	
	Update	
	CADD/C Embadded Web Conver	

Fallback Modes Available



- Deny all credentials deny all credentials presented to the readers.
- Accept all credentials accept all credentials presented to the readers.
- Check site code Accept credentials that match the site code of the readers.
- Switch to unlocked Unlock the doors on the slave unit to allow access.

11.2 Aperio

This allows an Aperio 485 hub to be added to the master controller. (These cannot be added along with slave controllers.)

11.3 Smart Intego

This allows a Simons Voss 485 hub to be added to the master controller. (These cannot be added along with slave controllers.)

11.4 GARDIS IO EXT

This allows a GARDiS IO extension board to be added to the controller. Limit of up to 10 slave units on a single master controller.

Fallback Modes

Keep the previous state Enable all outputs Disable all outputs



To configure lift control, a GARDiS IO Extension board must be used.

Step 1 Configure the reader

/ UK

Select the reader that is controlling the lift outputs. Click **Site Configuration** from the top menu, then click **Readers** and select required reader from dropdown menu.

TDSi	Ö Site configurat	ion 🧮 Schedules and rights 👻	坚 Users	Events	Managers	🕐 Help 🕶 🖡	⊐ _{Languages} ↓
	SITE CON	FIGURATION					
	Readers -						
	Reader 1						
	Reader 2						
	Counters -						
	Lifts v						

Set the name of the reader to allow easy identification during unit setup.

GARDiS Master Unit	Copen Save Back +						
leaders -							
	✓ Enable reader						
Conditional Triggers -	Configuration Door properties Alarm card Free access properties Card + PIN						
Counters -							
Lifts -	Reader type : TDSI Reader v						
	Anti-passback: Disabled						
	Manage maximum access per group						
	Activate on valid presentation						
	Deduct from presentations						
	Do not count, do not test 🔻						
	Enabled interlocking mode						

Step 2 Add the GARDIS IO Extension Module

Go to **Site Configuration** and click **Extensions** and then **Add**. Click **Create GARDIS IO EXT** from the main display. The following screen will be displayed. Have the ID of the GARDIS IO EXT ready. This is located on the unit, printed on the label.





SITE CONFIGURATION

ې NEW (GARDIS IO	EXT	Delete 🔀 Save 🖉 Bac
			Enter the unit Id printed on the case of the GARDIS IO unit * Required for connection
Fallback mode :	Keep the previous	state 🔻	
Threshold value	s of supervised inpu	rts: 0,2V 🔻	
	Supervised	Action	
Inputs		ACTION	-
Input 1 :		None	
input 2 :		None	
Input 3 :		None	· · · · · · · · · · · · · · · · · · ·
Input 5		None	· · · · · · · · · · · · · · · · · · ·
Input 5:		None	·
Input 7	_	None	*
Input 8:		None	· · · · · · · · · · · · · · · · · · ·
		None	
Outputs	Free access		
Output 1 :	None	×	This allows an end user to set a free access
Output 2 :	None	v.	schedule against required Outputs.
Output 3 :	None	v	For example, if you wish the around floor to
Output 4 :	None	v	be accessible $24/7$, then set a schedule for
Output 5 :	None	T	this. This requires a schedule to be defined.
Output 6 :	None	v	
	None	v	
Output 7 :			_

Once the required details are entered. The name of the module at the top will display **(CONNECTED)**. In the example below, the unit number is set to **14** and I have set Output 1 to have a free access schedule of 24/7. A schedule that has been configured in the unit.



SITE CONFIGURATION

GARDiS Master Unit	🗭 MODULE 1 (CONNECTE	D) Delete 🗡 Save 🔗 Back
Readers -		
	14	
ounters -	Fallback mode : Keep the previous state 🔻	
	Supervised Inputs mode Action	
	Input 1 : None	▼
	Input 2 : None	▼
	Input 3 : None	▼
	Input 4: None	▼
	Input 5 : None	V
	Input 6 : None	Y
	Input 7 : None	Y
	Input 8 : None	v.
	Outputs Free access	
	Output 1: 24/7 🔻	
	Output 2 : None 🔻	
	Output 3 : None 🔻	
	Output 4 : None 🔻	
	Output 5 : None 🔻	
	Output 6 : None 🔻	
	Output 7 : None 🔻	
	Output 8: None 🔻	

Step 3 Configure the Lift Groups Up to 256 lift groups can be defined. Select the 1st available lift group.

🔅 SITE CONI	FIGURATION	
GARDIS Master Unit		
Readers -		
Conditional Triggers -		
Counters -		
Lifts +		
Lift 1		
Lift 2		
Lift 5		

The configuration for that group is displayed in the main window.



🗭 SITE CONFIGURATION

ARDiS Master Unit	زِيٍّ Lift 1	\leftarrow Set the name of the Lift Group Save ⊘ Back \leftarrow
eaders -		
xtensions -		
	Exit 1 Exit 2	*
		Tick the outputs this group will be allowed
		to use.
	Exit 7	

Enter the required configuration and click **Save**. In the following example demonstrates a new lift group called **Manager**. This group will have access to all 10 outputs.

🗊 SITE CONFI	GURATION	
GARDiS Master Unit	🗭 Manager	Save 🔗 Back 🧲
	Outputs available Used	
Conditional Triggers 🗸	Exit 1	
	Exit 3	
	Exit 5 Z	
	Exit 7 Z	

The list is now updated with the new name.

🗭 SITE CONFIG	GURATION	
GARDIS Master Unit	💣 Manager	
	Outputs available Module 1	Used
	Exit 1 Exit 2 Exit 3 Exit 4	5 5 5
Lifts -		2 2 2
Manager		S S
Lift 3		

Continue to create lift groups as required.

Step 4 Configure Access Groups

Click Schedules and rights from top menu and then click Access Groups.



TDSi	Site configuration	Schedules and rights 👻	坚 Users	Events	Managers	🏳 Languages 🕶
		Schedules				
		Public holidays				
		Access group				
	Readers -					

Select the access group to assign the lift group.

TDSi	Of Site configuration	Schedules and rights 👻	🕰 Users 🏻	Events	Managers	🕐 Help 🕶	🏳 Languages 🗸	
_	💼 ACCESS GROUP	PS						
	Group 1							
	Group 2							

On the first tab Properties, configure as required.

TDSi	🔗 Site configuration 🔠 Schedules and rights 🔹 🖳 Users 🔚 Events 🧬 Managers 🕜 Help 🔹 🏳 Languages 🔹	
	Save Save Back	\leftarrow
	Properties Permissions	
	Prohibit the group	
	Use reader hold time: • Yes • No Lock time: 10	
	Limited use: Yes No	

On the 2nd tab **Permissions**, select the **Lift group** within the Lift Reader row.

TDSi	Site configuration Sche	edules and rights 🔹 🖳 Users 🔚 Events 🧟 Manager	s 🕜 Help 🕶 🏳 Languages 🕶
	() Managers		Save 🕢 Back
	Properties Permissions		
	Readers	Permissions	Lifts
	Lift Reader	Permanent access 🔻	Manager 🔫 Select lift group
	Reader 2	Permanent access *	None 🔻



Click **Save**. The list of Access Groups will be updated with the new name.

TDSi	Site configuration	Schedules and rights 🔻	坚 Users	Events	Managers	? Help 🕶	🏳 Languages 🕶	
	ACCESS GROU	UPS						
	Managers							
	Group 2							
	Group 3							

Step 5 Create a user with the new access group Click on **User** from the top menu and click **Create**.

тоs	Site configuration	Schedules and rights 🔹	O Users	Events	Managers		🏳 _{Languages} .	•
	🔊 USERS			Reset all a	nti-passback 🔶	Delete all users \leftthreetimes	Import List 🔶	Create +
					Search			
	Credential	Identity			Groups		Status	
	1	Test keypad			Managers		Authorized	
					Managers			
	<u>354325</u>	Manager1			Managers			
	<u>776586</u>							

Enter the details of the user in the first tab **Identity**.

TDSi	💮 Site configuration 🔠 Schedules and rights 🔹 🖳 Users 🔃 Events 🧟 Managers 🥜 Help 👻 🏳 Languages 🔹	
	\bigcirc NEW USER Delete \searrow Save \bigcirc Back \leftarrow	
	Identity Permissions Options	
	Surname : Smith First Name : John	
	Credential: 32253454 Card T	
	Presence: Undetermined Delete	
. · · · · · · · · · · · · · · · · · · ·	,	

Click the next tab **Permissions** and set the required configuration. Within the **Access Groups** section, select the group with the configured Lift group. Then click **Save**.



TDSi	🗭 Site configuration 📺 Schedules and rights 🔹 🖳 Users 📰 Events 🧟 Managers 🕜 Help 🔹 🏳 Languages 🔹
	© NEW USER Delete → Save → Back ←
	Identity Permissions Options
	Status: Authorized Y
	Schedule : Permanent access
	Validity dates Enable
	Access groups Group 1: Managers
	Group 2 : Not defined 🔻
	Group 3: Not defined 🔻

This user is now configured to use the lift reader.

13. Anti-passback

There a number of anti-passback options available, true anti-passback and timed anti-passback. It is also possible to update the anti-passback value when the person opens the door, not when only present the card to the reader. This requires the setting of the door sense property within Door properties.

13.1 True Anti-passback

Step 1 Enable anti-passback on the unit.

Click Site configuration from the top menu, then click GARDiS Master Unit from the left hand menu. Tick Anti-passback checkbox. Click Save.

TDSi	Ö Site configuration	📰 Schedules and rights 🔹 坚 Users 📰 Events 🧬 Managers 🕜 Help 👻 🏳 Languages 👻								
	SITE CONFIGURATION									
	GARDIS Master Unit	🗭 MASTER CONTROLLER Restore from backup 🕞 Backup 📄 Save 🔗 Back 🔶								
		Configuration Operating mode External Integrations								
Conditional Triggers + Counters + ODHCP • Static IP address (Recommended)										
							Speed: 10 Mbps			
		Web server port: 80								
		Z Anti-passback Timed anti-passback								

Step 2 Configure the readers for anti-passback

Click Readers and **select the required reader** from the menu. In the **Configuration tab** navigate to the Anti-passback section. Select the required option for the reader. The options available are:

Disabled (default): Not enforcing anti-passback

Entry: Set reader as entry reader



Exit: Set reader as exit reader

Entry \ Exit: Set reader to ignore anti-passback

Then click **Save**. Anti-passback is now setup on the controller. The event "User already entered" will be generated if a credential attempts to gain access without exiting first.

	رُنْ Reader	[.] 1		Open [[] Save 🕢 Back				
	Cashle reader							
	Enable reader							
	Configuration	Door properties	Alarm card	Free access properties	Card + PIN			
Counters -								
	Reader type :	TDSI Reader	v					
	Anti-passbaci	k: Entry 🔻	Í	If you wish to up	odate anti	-passback for		
	Activate on	aximum access per g valid presentation	roup	credential when configure door	n door is o sense in D	pened. Need to oor properties.		
	Deduct from p	presentations						

13.2 Timed Anti-passback

Step 1 Enable anti-passback settings

Click Site configuration from the top menu, then click GARDIS Master Unit from the left-hand menu. Tick Anti-passback and Timed anti-passback checkboxes. Set the length of time you wish to enforce anti-passback. This can be enabled on the Entry or Exit readers. Click Save. Follow step 2 from 13.1True Anti-passback to configure the reader settings.

TOSi	Site configuration	🧮 Schedules and rights 🔹 🖳 Users 🔚 Events 🧟 Managers 🕜 Help 🔹 🏳 Languages 🔹
	ổ SITE CONFIGL	JRATION
	GARDIS Master Unit	© MASTER CONTROLLER Restore from backup ⊕ Backup ⊟ Save ⊘ Back ←
		Configuration Operating mode External Integrations
	Conditional Triggers -	
	Counters -	Static IP address (Recommended)
	Lifts +	Speed : 10 Mbps v Web server port: 80
		Anti-passback Timed anti-passback
		Timed anti-passback duration 1 m
		☑ Enable on entry
		Enable on exit
		Reverse unied and-passoack



14. Troubleshooting

This chapter will provide typical issues that may arise.

14.1 Restoring from backup

Symptom: When restoring from backup, the following message is stuck on the screen and it does not finish the restoration.

C RESTORATION	
	Choose file BACKUP Save
	Restoration in progress

Fix: A backup must occur in-between restorations. Create a new backup. Then follow the restore from backup process, selecting the required backup file.



Do you have any technical questions?

Contact our free technical support:

TDSi UK: T: +44 (0) 1202 723 535 E: <u>support@tdsi.co.uk</u>

TDSi Export: T: +33 (0) 1 58 84 20 90 E: <u>info@tdsi-france.com</u>



Because everyone deserves peace of mind

TDSi UK Unit 10 Concept Park, Innovation Close, Poole, Dorset BH12 4QT United Kingdom t 44 0 1202 723535 f 44 0 1202 724975 e sales@tdsi.co.uk

TDSi France Immeuble ATRIA, 2 rue du Centre, 93160 NOISY LE GRAND France t 33 0 1 58 84 20 90 f 33 0 1 58 84 20 91 e info@tdsi-france.com



